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BEAT INSTRUMENTAL AND INTERNATIONAL RECORDING STUDIO

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YOUR LETTERS AND QUERIES

CASSETTES

Dear Sirs.

I would be most grateful if you could possibly help me in finding some good reading on the subjects of music publishing and the setting up of a publishing company and the process and manufacture of musicassettes. Any information would be greatly appreciated.

Yours faithfully,

A. K. Brown, Gravesend, Kent.

If you write to the Music Publishers Association, 73 Mortimer Street, London W1, they have a very useful pamphlet, price 50p, which deals with many aspects of starting a music publishing company.

With regard to your inquiry about the manufacture of musicassettes, we had a word with E.M.I., who reckon that their system of cassette manufacture is probably the most up-to-date in Europe. This is how it's done. First of all a master tape is recorded and from this, a $\frac{1}{4}$ in. tape master is made, known as the preparation master. This is kept permanently on file. Then a working master tape is recorded. This is a continuous loop of 1in. wide tape containing one-cassette programme. This working master is placed into a master recording unit which in turn drives fifteen slave recording units.

The working master tape then runs through the master recording unit, floating on a bed of air to minimise friction, at a speed which is 32 times greater than the normal listening speed of a musicassette. Each slave unit contains what is known in the trade as a 'pancake' of cassette tape, long enough to record up to 30 complete cassette programmes. That tape also runs at 32 times the listening speed.

Each 'pancake' takes about 20 minutes to record 30 com-

plete cassette programmes. The 'pancake' is then taken to a loading machine and fed in one side at high speed. On the other side of the loading machine, the machine automatically cuts each programme separately, splices it onto the loader tape and fits it into the cassette case. It takes five or six seconds to load each cassette.

Then it is taken to another machine for labelling, sealing, etc. The process for cartridges is virtually the same except that the cartridges have to be loaded by hand and it is all done at a slightly slower speed.

LOCAL BANDS

Dear B.I.,

I was very impressed with a group I saw way back last March in Dorchester, Dorset. They were called Sandgate and came from Newcastle. Their appearance was biased towards the Unisex all except their bassist, who was dressed in country yokel style rags and pulling staggering riffs from a Fender.

The band played a good mixture of originals and standards. All the members were extremely talented and the lead guitarist deserves special mention for his sheer brilliance let alone his energy expended in bouncing and rocking about the stage.

All in all, they were a marvellous rock band who deserve the best they can get and I hope to see them again.

Yours faithfully.

Jim W. Hardy, Dorset.

Dear B.I.,

There is a band I know who are really good. They are called Whisky Mac and I saw them in Middlesbrough and thought they had a very tight sound. At the moment they are playing in Southend. They write their own material and I certainly think they are well worth hearing.

Yours.

Hazel Mayhall, Brighouse, West Yorks.

We were very interested to hear about good bands in other parts of the country and we shall certainly keep a look out for these bands ourselves.

GIBSONS

Dear Sir

I'm thinking of part exchanging my Gibson S.G.200 for a second-hand Gibson Melody Maker. On hearing Lew West (ex-Mountain), I was attracted by its great tonal qualities and sustain and its simplicity of design but I know little about its construction. Could you tell me what wood is used for the body, the type of pick-up fitted, the string length, ease of action and the different finishes available.

Also, when did Gibson start manufacturing this model, what was it originally designed as and when and why did they cease production?

Do early models have better pick-ups due to higher quality copper-windings and finally, what is an average price for a good second-hand Melody Maker, and where am I likely to find one? I am prepared to travel to London if necessary.

Yours sincerely,

Duncan Wood, Newmillerdam, Wakefield, Yorks.

There were actually two different versions of the Gibson Melody Maker model. Henri Selmer & Co., UK distributors for Gibson, haven't an exact date for the original introduction of the model, but say that an educated guess would make it around 1961. The first version of the Melody Maker was available until 1965 in three different forms, the Melody Maker D, which was a double pick-up model with a Sunburstfinish, the Melody Maker S, a single pick-up version, and the Melody Maker 3, on which the fingerboard joined

the body at the twelfth fret. These last-mentioned two were also available in Sunburst finish only.

Described as 'student models', these early Melody Makers were in Gibson's cheaper range and they had a very distinctive shape, fat at the bottom and narrow at the top with a double cut-away.

The second version of the Melody Maker was introduced in 1967 and ran until 1970. This was made in the more familiar SG shape and was in fact the forerunner of the SG 1 and 2 models. This model was also available in single and double pick-up models with the addition of the Melody Maker 3, which was a three pick-up model and the Melody Maker 12, a twelve string version. Except for the 12. which was not available in Walnut, there were three finishes available, Walnut, Sparkling Burgundy and Pelham Blue

The logical development from the Melody Maker was the Gibson SG and when this was introduced the Melody Maker was discontinued.

The wood used for the body of the Melody Maker is mahogany. The string length is $24\frac{3}{4}$ ". The pick-up is a singlecoil as used on the SG1 and in fact the pick-up on the later Melody Maker models is exactly the same as on the older ones. If you do hear a superiority of sound from the older ones this is on account of the maturity of the instrument and nothing to do with the pick-ups.

Sample prices when the instrument was discontinued in 1970 were £139 13s. 0d. for the Melody Maker 3 and £131 5s. 0d. for the 12-string. Second-hand prices now will vary considerably with the condition of the instrument. If you are coming down to London, we suggest you call into Top Gear in Denmark Street, who specialise in second-hand guitars and frequently have Gibsons in stock.



LEE IN FLIGHT



Top left: Alvin Lee, friends and outbuilding

Bottom left: The Band recording in Alvin's home studio

BY LORNA READ

AST year Alvin Lee reached the end of the line, musically speaking. He suddenly found he was lacking any sort of musical stimulus and needed a total rethink about his career. The stopping point came when I felt like I'd written every song I could think of with Ten Years After and played every solo,' he said in a previous interview with B.I. 'All I was doing was pinching bits from this and that and putting them together differently and it was starting to get repetitive.'

For several months after that it looked like he was experimenting madly with just about every musical variation he could think of that might invigorate a tired brain. At one and the same time he had T.Y.A., various recording projects of his own with Mylon LeFevre and musicians, friends and neighbours such as George Harrison, Stevie Winwood, out of which came the *On The Road To Freedom* album, his studio, his production company, even last March's Rainbow gig, which was the result of a friend's dare.

Now at last some sort of order seems apparent in the chaos. It's Alvin resurgent with his old travelling companion, the bestickered Gibson 335, a new solo album, *In Flight*, and quite a lot of future plans to look forward to.

His mansion, which he purchased from tycoon Charles Clore for an astronomical sum, looms on the Berkshire horizon like Hampton Court, topped with lines of twisted tudor chimneys and flanked with decaying outbuildings whose sagging, mossy tiled roofs reach almost down to the ground. Alvin sat in his enormous kitchen like some feudal lord, the epitome of the pop aristocracy, blond hair curling on his shoulders, being served tea by Suzanne, the lady of the manor. A bevy of dogs and cats of various sizes and breeds surrounded him and he looked very well and relaxed, as he waited for his musicians to arrive for a rehearsal in the studio.

If his material surroundings are anything to go by, his mansion, his studio, the tasteful antique objects dotted round the place, his decade with T.Y.A. has certainly set him up comfortably.

'I wouldn't like to have to move to the States,' he grimaced, looking round the spacious kitchen with its heavy oak timbers. 'I know lots of people are moving out of England for tax reasons but I wouldn't like money to rule my life too much.'

Musicians seem to be divided into two schools, the first being the people who play for playing's sake, and wouldn't take any other job even if they were starving in the gutter, and the others who, while they enjoy playing, also see it as a means to an end, a worthwhile way to earn a lot of money.

Alvin places himself in the first category. 'I never set out to be a millionaire or anything. I'm not. I don't have four Rolls-Royces or anything like that. Some money comes in and then you have to reinvest it in whatever you're interested in.'

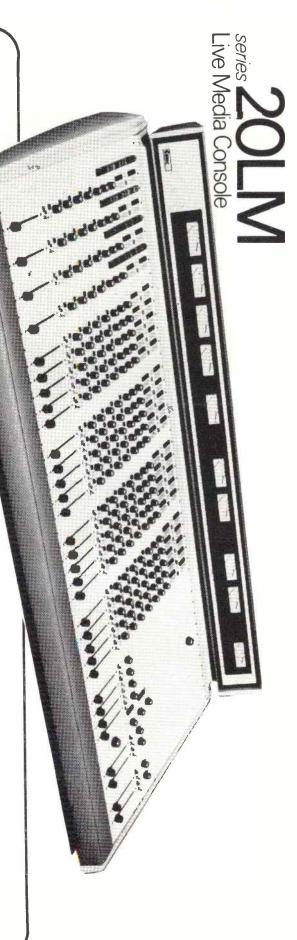
More than £50,000 of his money has been invested in the recording studio built in one of his barns. Great care went into the construction of what is in effect a room within a room, a soundproofed studio through which protrude the ancient timbers of the five-hundred-year-old barn. 'Those timbers were ship's timbers even before they were used to build the barn. Who knows what Armadas they may have repelled,' conjectured Alvin.

It was a very delicate job, but the builders succeeded admirably and the studio has a very good sound, according to Alvin. A control room has been constructed in the rafters, looking down into the studio. This features an 18-channel Helios desk with two channels for reduction and monitor facilities. The recorders consist of a 16-track Studer with Dolby M16, a Studer two-track and two Revox machines, Both Tannoy and JBL monitor speakers are used. Alvin remarked that he's adding things all the while.

As far as returns on his investment are concerned, to date his company, Space Productions, have issued *On The Road To Freedom*, and his *In Flight* album, the album of that Rainbow gig. Lee has been so involved with work on these that, although he has found some musicians whom he'd really like to record and produce, he hasn't had a spare moment to do it. It's obvious that the technicalities of sound recording and the possibilities of the studio are totally monopolising his working hours at present.

'I'm really into electronics, but it hasn't come into the music as yet. One night I just plugged the 16-track back into itself and left it playing itself all night. The result was amazing.' He demonstrated with some ear-splitting vocal sound effects.

It seems that working as engineer on your own album not only makes you a perfectionist as to the sound quality but also has the unfortunate effect of robbing you of any enjoyment in listening to it.



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LEE IN FLIGHT

Continued_from page 8

Since Alvin's album with Mylon LeFevre, LeFevre has gone back to Georgia, where he is working on a solo album in Alain Toussaint's studio. There's something big happening in the South, in Georgia, remarked Alvin. 'It looks like the music there is at last getting the recognition it deserves'.

And T.Y.A.? 'Ten Years After aren't functioning at the moment.' Thence followed a pregnant pause. 'It's a very long story. It goes back two or three years really. My plan originally was to continue gigging with T.Y.A. but to do my own things in between. That was my plan, but then what happened was . . . well, I don't like going over this really because it was all a bit grim. They sacked the road crew'. Who's "they"? 'T.Y.A., whoever that may be, you know what I mean?

'They all went in to Chrysalis one week for their wages and they said, we're not paying you any more. I still don't know quite how to take that one. I mean, John and Andy had been with us for six years. So I took the roadies over.'

He didn't want to talk any more on that subject. Obviously there's a very sore point there but Chrysalis, the company to whom T.Y.A. are signed, state that Lee is still signed to them with T.Y.A., although there are no records or tours scheduled. The band are, as they say, 'resting'.

In the meantime, Alvin has assembled Alvin Lee & Co., consisting of Mel Collins on sax and flute and Ian Wallace on drums, both of whom accompanied him at the Rainbow, Steve Thompson on bass, Ronnie Leahy on keyboards, both ex-Stone the Crows, and four girl singers, Stellina Macarthy, whom Alvin thinks is a fantastic singer, Donnie Perkins, Jeanette Tavernier and Joanna White. Alvin also had plans for incorporating another guitarist. He had a short-list, but at the time of going to press he still hadn't made a decision. He also thought he might add a South American guy he knew on congas.

That afternoon they got down to some very hard, serious rehearsing for the tour. Thompson is a very fluid bass player — 'what I was looking for was someone with some good fingerwork rather than a thumper', Alvin remarked — and Ronnie Leahy, who wrote the song

Queen Of The Night for Maggie Bell, is a very chordy, constructive, keyboards man.

'It's fantastic working with new musicians after working purely with T.Y.A. for so long. It's a great stimulus to my songwriting as well. When I was bringing in the Kokomo singers for the Rainbow gig, I was able to give them ideas for three or four numbers just off the top of my head which would go with that sort of background. I'm not usually a prolific writer, by any means. I write best to a deadline.

'Steve and Ronnie have put a whole different light on the music I'm doing. It's an extension of what we did at the Rainbow, that sort of thing, and about half the numbers are the same, but it's changed even in a few months.'

In what way? 'Difficult to say. Maybe it's a little more like the real thing, if that means anything to you. It sounds better, I feel more relaxed'.

There is no form of contract between him and the band. They are signed to him for the tour and it's all pretty free and easy. 'I've been through all that binding contract stuff and I know how it is,' said Alvin, with a weary shrug. 'You never get any respect from tying anybody up and if they want to leave they leave anyway and all you've got is a big legal hassle. If there's nothing official in it, you get the advantage of the enthusiasm that comes from working with different musicians who are changing all the time.'

I left them still hard at work at the studio. It all sounded like a big jam, something like the atmosphere that prevailed at the Rainbow, where everyone was out to have a good time and Alvin was out to prove he could conquer the Rainbow after ten day's rehearsal. 'We'll get all the basic numbers off this week,' he promised.

As I said, it sounded like a happy jam. but every so often Alvin would stop playing and round on someone and suggest an alteration in what they had been playing. It's obvious that Lee's in command. He knows exactly what he wants, his batteries are recharged now, his waning enthusiasm re-fired and that old magic's back in the flying fingers, though in a funkier vein than he's ever played before. It certainly looks as if Alvin has entered into a brand new stage in his musical development.





Leading Ouestion...

Georgie Fame

Interview by Lorna Read

The music of Georgie Fame and the Blue Flames was the underground scene of ten or eleven years ago. The hippest people in town used to hang around the now defunct Flamingo Club to hear this exciting R & B influenced band with its black-sounding singer.

In 1965 Fame's single, Yeh Yeh, toppled the Beatles from number one position in the charts and the following year Get Away was another huge hit for him. That same year, at the height of their popularity, Georgie and the Blue Flames split and in the years that followed, Fame was more often in and out of the Sunday papers on account of his involvement in a scandalous divorce case than in and out of the charts.

Then there was the Bonnie & Clyde period, Fame posing self-consciously as a tough guy with a machine gun. That was incongruously followed by the Fame and Price period of TV schmaltz.

To many people it would now seem that he has at last come to his senses and has done what they thought he should have done all along, reformed the Blue Flames. He now seems to regard the name with a certain amount of superstition, almost as if certain old bands of his would never have failed if only he'd called them the Blue Flames. He's now gone right back to the type of music he was doing with his original band and has a new album out. The wheel has come full circle. Why?

Why did you originally disband the Blue Flames?

I just wanted a change of scene. I'd had it up to there. I wanted to sing with a big band so I financed an album with the Harry South Orchestra out of the money I'd made from Yeh Yeh and Get Away. It was great. I loved it. Then after that I put a new band together but I didn't call it the Blue Flames. If I had done I suppose everything would have been

all right. John Hiseman was on drums, it was a good band and I was still doing a lot of the old numbers like *Pink Champagne* but people always associate that era of music with the Blue Flames so I think people just wouldn't accept the new band.

There seems to be a current mood of nostalgia for the 'good old days', with lots of old records being released and old artists being rediscovered. Was it partly out of a desire to catch this wave that you reformed the Blue Flames?

I don't know what's going on on the music scene at the moment. I don't listen to the radio very much. I've heard a lot of rumours. I even read in the papers that I was going to reform the Blue Flames before I'd even decided myself. Apart from costing a lot of money it's a hell of a responsibility keeping a band working on the road and keeping everybody happy. One of the reasons I broke it originally was that I'd had enough of the aggro and responsibility. That's why I took a lot of persuading to reform it. It was Island Records that finally persuaded me, so we'll see how it goes. The interest is there so I just hope the album sells. We're booked to do a college tour and colleges haven't wanted to know about me for the last four years.

Do you think you are getting all your old fans, who admired the original Blue Flames, back now?

I think we're getting quite a few of them. People keep coming up to me at gigs and saying, 'you don't remember me, do you?'

How many of the original band are with you now?

Only three – Colin Green, Eddie Thornton and me – so that's only two! Mick Eve has got his own band, Gonzales. I don't know where the baritone player Johnnie Marshall is. Peter Coe, the tenor player, he's got a toy shop in Wimbledon and also does cartoons – he's a great artist – so I don't suppose he'd want to come out on the road again. The old bass player lives in France now, but I'm really happy with the one I've got, Brian Odgers, who I first met in '69 when I put together a band called Shorty.

How do you feel the music you are doing with this Blue Flames line-up compares to the old stuff?

It sounds more mature now. I play better, I sing better and I feel better. When I listen to some of the old stuff I think it sounds awfully immature. I shall keep trying to do it better till I've got it right. That's the only way to keep music fresh.



- 1 Georgie Fame
- 2 Brian Odgers
- 3 Brian Bennett
- 4 Colin Green
- 5 Steve Gregory
- 6 Buddy Beadle
- 7 Stan Sultsman
- 8 Alan Skidmore
- 9 Elton Dean
- 10 Lennox Langton
- 11 Eddie Thornton
- 12 Bernie Holland
- 13 Mark Charig



Have you consciously gone full circle, because you realise that blues-based music is what you like doing best? Were the other ventures of yours purely experiments?

I've never really stopped doing that music. I've always kept in numbers like *Pink Champagne*. When Alan Price and I worked together for those three years we did a lot of rock and roll but it wasn't heavy enough for some people and because we did a few TV shows where we weren't allowed to do anything serious, it had to be light music between the jokes, people assumed we were just a cabaret band, so that was the only sort of offers we used to get. We couldn't break through any other way apart from splitting up and doing our own things.

What, then, was the original intention behind your partnership with Alan Price?

When we first started working together it was a permanent thing but we intended doing our own things as well. However, we never did. We put a lot of effort into what we were doing together and found all we were getting for it was cabaret spots which was fine for a while as we went down great in cabaret but, after a couple of years, I wanted to do something else. I didn't want to get lumbered with that shit all my life.

Did you feel the split was the best thing?

Well, I think Alan's really come into his own since then. He's doing what he's wanted to do ever since leaving the Animals but it's taken him a long time to get round to it. That's the fault of us all. It's taken me a long time to get round to it as well.

Do you think the whole Bonnie & Clyde thing was a mistake?

I didn't want to do it in the first place. The people who wrote the song knew the film was going to be a biggie. CBS said to me, 'You'd better record this, it's going to be a hit,' and I tried to get out of it. I didn't really want to record it and I even lied to them on the phone, saying I didn't think I could do the arrangement. In the end I sat down and arranged it the way I wanted to do it and it was a big, big hit, but the trouble was I was saddled with that kind of thing for a couple of years. It didn't require a band so they sent me round the world on my own doing TV shows holding machine guns, me, who's most comfortable when sitting behind the piano. I had to hold those weapons and try and look sincere. Then CBS wanted an album to follow it up that was 'in that bag', the Forties thing. So I tried to put an album together but it didn't work. Mind you there were a couple of good tracks on it, Someone To Watch Over Me, which I did very tongue in cheek, and a Mose Allison Blues. But as far as I'm concerned, it's all been a musical education.

Do you still feel the same enthusiasm for music after all this time and having gone through all these experiences?

Me? Oh yeah. I don't buy as many records though. I used to spend all my money on records and now I haven't got any to spend. But I still enjoy playing just as much.

Who has been your greatest musical influence?

Mose Allison. He's perfect. He's complete. Marvellous pianist, great writer. For me, he leaves Dylan way behind when it comes to writing lyrics and tunes with 'a message' in inverted commas. For about five or six years I couldn't sound like anybody else. I was just hooked on that nasal way of singing and it's only with having a couple of years not doing that sort of thing all the time that I managed to break the habit and on the new album I don't think my voice has ever sounded better. I think it's because I broke with Mose that I managed to get out of the habit, but I still love Mose.

Are you pleased with your new album?

Yes, very. We've covered a lot of bags. I've always tried to do that. People used to ask me to define the music in the old days and I didn't know what it was. It's basically the blues but there are so many different kinds of blues, city blues, even happy blues – I try to get off on all of them. It took a lot of time for people to accept that. I think I've achieved more on this album than I have in the past because I can nail every track and I know what each one means and can give you the background to each one.

Leaving The City Behind was an unusual song for you, being quieter, more ballady, more poetic. How did that one come about?

I'm not very good on lyrics and when it came to doing this album I was stuck. I had lots of melodies but no words so I gave a poet friend of mine, Jeff Ryan, a call. He said he had a few lyrics and no music. He got



on the train at Waterloo and looked out of the window and just wrote it as it happened, 'I'm leaving the lights that kill the stars, the noise that hurts my mind, the smoke and fumes of a million cars, I'm leaving the city behind'. By the time I picked him up in the car, he had half the song. I sat down at the piano and finished the tune before he'd finished the last verse. That's how we work together. All the voices were me, too.

Do you find the fact that lyrics don't come easily to you frustrating?

Not really, because it's much easier writing with Jeff. I can tell him the story and he can write it. But I do write some. I wrote Get Away, but generally I wouldn't call myself a brilliant lyricist. I often get a beautiful line in my head and then it's gone. That Old Rock And Roll is one I wrote – Jeff just helped me with the rhymes. It was one of my step-daughters who started that one off. She goes to a boarding school in Wiltshire and I went to pick her up one day and when she got in the car she asked me if I'd ever heard of Jerry Lee Lewis. Apparently all the girls at school were playing his records. So I wrote the song about children being innocent until suddenly exposed to a bit of rock and roll, like losing their virginity.

Do you still feel that you don't come over on record the way you'd like to sound?

It's always been a bit of a problem. The best album I made with the old Blue Flames was *Sweet Things* which was recorded by Denny Cordell at a mixture of the old Olympic Studios at the back of Baker Street and Lansdowne. The band sounded pretty good although a bit thin. You see, we have always been essentially a live band who sounded great in a club but nobody knew in those days how to get it down on record. I'm pleased with this one though.

Your career really seemed to take off when you switched from piano to organ. Have you always stuck to Hammonds, since that first £800 one you bought?

I switched instruments when I heard Booker T. and Jimmy Smith and saw Graham Bond playing. He'd just bought a Hammond and suggested I got one. I used to have an L, which is the cheapest one you

can get but I could never get the depth of sound out of it that I wanted. I've got an A100 still, which I've had for about four years. It's a beat up old thing but it gets a good service every now and then and it's going fine. I've got a C3 at home which I keep at home, because taking it on the road would ruin it. Besides, it's really heavy and I can't afford four roadies yet!

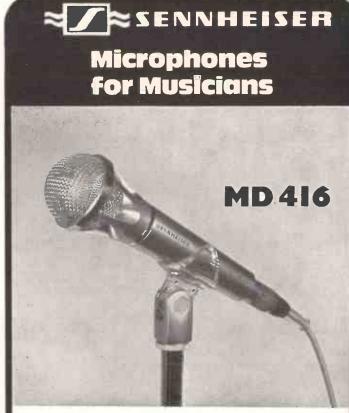
Talking of money, what will you do if this album doesn't get into the charts?

I won't be upset as long as it sells to a wide enough audience to encourage me to carry on doing it. We live in a world at the moment where everything is built around money. If the record company don't get enough money from record sales, they won't ask me to do it again. If that happened, I'd still carry on playing, take the band out when I could, make a few bob, just enough to tick over. I might even end up playing in pubs. As long as there is somewhere to play, I'll go out and play. I think I'll go round collecting a few old pianos so that if the Russian Revolution ever comes, I can put them in pubs so people will still be able to play. That's the only way to keep music alive.

What are your plans at the moment?

Well, the interest seems to be back in the band and I'll keep that going for as long as possible. Because of the soft touch on television, you can't blame people thinking that that's all I was into for the last four years, which is not true. You can't really get up there before the television cameras and say to people, 'excuse me, folks, this is just a musical interlude between jobs'. It's the same with doing ads for the telly. If I haven't got an album out, the only way I can get any money apart from slogging out on the road is by doing a few other things.





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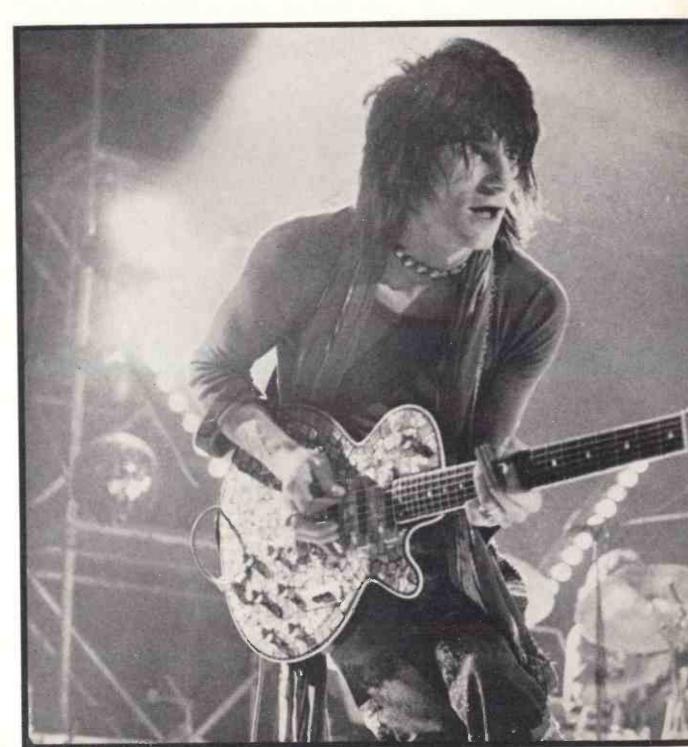
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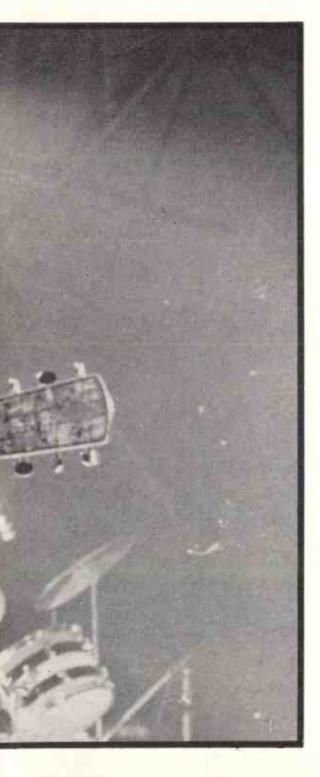
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MOOD'S MADE ALE



HOME JM



VE Got My Own Album To Do is, perhaps, one of the most appropriately titled albums released this year. Ron Wood's done something he's been meaning to do for years, but he's been too politically conscious to do a solo project before.

The most interesting thing about the album is that Ron recorded the whole thing in the basement of his house in Richmond. It's an eight-track recording (and I think sounds all the fresher for that) and Ron's obviously felt completely relaxed in such a natural environment.

'I started to think about doing my own album quite a few years ago. I suppose it was because I was writing certain things that we couldn't use in the band and I kept them by me, and I felt that I wanted to tie all the loose ends up and get this album together. I always travel with a cassette recorder and my little library of cassettes. On these are stored my attempts over the years to make up little bits of tunes and lyrics and I guard that collection more carefully than I guard anything else. To be honest I get all sorts of ideas all the time. I write quite a bit when I'm on tour and in the end I just had to string it all together.'

So why did it take so long?

'In fact it didn't take so long, it was recorded in five or six weeks, which is a really short time to put this sort of album down. The reasons I waited so long before starting the album are because I was waiting to get my home studio ready — I really wanted to record it at home — and because I didn't want to start releasing solo albums during the time that Rod was building as a solo artist, I think it would only have confused things within the band.

'I really didn't want to be accused of attempting to be a solo artist so I felt that I had to wait until a suitable time before releasing all the stuff. I was getting quite anxious though, as some of the stuff is seven years old.'

Like most successful instrumental stars (and a few singers) a home studio has been Ron's aiming point for more than a few years. To get the thing together he's had to develop an understanding of the technical side of things most musicians decline to become involved in (as well as getting the loot together in one place). Even for a star of Ron's

stature collecting the money necessary would involve some thought. 'I started, as most people do, with a Revox. That was several homes ago and each time I moved I was waiting to get the right room for the studio. When I moved to this house I knew I had it.

'The house is over four floors and it used to belong to John Mills. There's a huge basement that was in a terrible state and after I'd been in the house for a while I discovered another section of basement that nobody had known about. I found it by lifting a trap in the living room.

'The basement seemed perfect for the studio and I set out to equip it just for demos, I was intending to spend about £12,000, but in the end I spent over £25,000. Things really run away with me.

'That's the real reason I waited so long to record. I mean when you're paying for studio time somewhere you feel a little rushed, don't you?.'

Many stars have studios exclusively for their own (and perhaps their friends') use. Ringo, Alvin Lee, Tony McPhee all seem to keep their studios to themselves. Is this going to happen to Ron's?

'I'd like to see people hiring it, although because it's in our house they'd have to be friends. It doesn't matter that much whether others use it or not, I think it'll pay for itself on just a couple of albums.'

The studio is eight track which many would consider old-fashioned and insufficient.

'I like eight track, I always have. There are certain limits that are imposed by the number of tracks and I quite like that. There comes a time in all recording when you have to mix so you might as well do it sooner than later. Naturally we bounced a few tracks together during the recording and I really was quite happy working with eight tracks. People have already started asking whether we'll go 16-track, the studio seems to be developing itself but I don't think I can afford 16-track really.'

Naturally his involvement with his studio has increased Ron's understanding of the balance engineer's problems and on this album he's done a considerable amount himself.

'I'm not an engineer of course, so I left all the main decisions to my engineer, but I think I know something about it now.'

Ron's not anticipating a massive solo career ahead. He'll be happy with a successful album and the next one planned. Naturally he's going to promote the thing and he'd like to work with a fairly stable bunch of musicians but there's no thoughts of a permanent solo outfit.

The Faces are more than busy now anyway. After a long, long layoff the band are into a European tour that will lead them to the rest of the world next year. But Ron's got his own album done.

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drumming with henrit

Bob Henrit continues his series for drummers

THE nicest thing about being a drummer as opposed to being a guitarist, pianist or horn player is we don't have to be sitting at our instrument to practice. We can work out ideas on the bus or at work, anywhere we like — even in bed if we can find the time! Of course it's important to practice on the kit but the noise can be a disadvantage, on the other hand it can be advantage if you really want to annoy the neighbours, or have something in your system you would like to get rid of!

TUTORS

There are many tutors on the market written by drummers who are more able to teach the rudiments than I am, so, I suggest you use the tutor I hope you already possess and adapt my ideas to your drum kit via your tutor. If you don't have a tutor Carmine Appice's is excellent, really heavy. I have an old one by Sam Ulano called Rudibops written in 1949, which contains more Rock n' Roll than more modern ones! At the start I feel it's necessary to learn something interesting and relatively easy to play, that will give you satisfaction and be a springboard to something more difficult and demanding. A little while ago Adam Faith decided to learn the piano and almost the first thing he learnt was John Lennon's Imagine, a not too difficult song that Adam liked very much. As soon as that was mastered he moved on to more complex scales, chords and fingerings. Now when he gets bored with his scales and things he can go back to playing Imagine and re-awaken his interest and enjoyment. Of course it's a little more difficult to apply this concept to drums since we can't actually play tunes on them but we can play rhythms. So I will show you some of my unusual funky rhythms and when you get fed up with your formal rudiments and exercises you can play around with these, and, hopefully, reactivate your taste buds.

Here's a different way of playing a paradiddle. You play all of the

right-hand beats on the hi-hat and all the left-hand beats on the snare-drum; be sure to accent the two off beats,

RLRRLRLLRLRRLRLL (sixteen notes)

the bass drum can double each right hand. When you get proficient you can miss out the first left hand beat and third right hand beat, doubling the bass drum with the remaining two left-hand hi-hat beats. Try to make all the other beats on the snare less heavy than the actual off beats. You can also open and close the hi-hat quickly for the first two-eighth beats. It's all very well being able to play the rudiments but the problem can be adapting them to your everyday playing. You have to sit down and think how to apply them to general playing as opposed to using them just for filling in, etc. The paradiddle thing I have shown you is just one example - it's up to you to find others. Try playing a normal rock feel and instead of striking all eight beats on the cymbal or hi-hat bring the stick back to the snare for 2, 4, 6 and 8 - this leaves us playing fours on the cymbal, very effective. This works pretty well for shuffle rhythms (dotted eighths) too. It leaves a lot of room for you to play funky grace notes with your right hand.

KIT

With the acquisition of a much larger kit, within the last couple of years, I have been forced to change my style and technique. For years I have played with the orthodox left-hand grip but now find it's impossible to fill round six or seven tom-toms with any degree of speed or force using this grip. I'm now in the insidious position of using orthodox grip for the snare (after all these years I still find it's best), and matched grip for the tom-tom work, It's ridiculous but with hard practice I've managed to change the grip in mid-fill from snare to tom-toms quite successfully. While I'm on the subject of orthodox grip and

Continued on page 18



Matched Grip

drumming with henrit

matched grip I think if I were just starting to learn drums I would use the matched (parallel) grip. I think it leads to a funkier feel - but as I say it's too late for me. The orthodox style evolved because it was the only left hand grip you could use when you were marching and playing at the same time. Anyway I'm stuck with it but you needn't be. I thought I would mention recording technique in passing and talk about reading at the same time. Many moons ago I was booked for a Unit Four plus Two session and, being scrupulously honest I said I didn't read too well but would appreciate a part as a guide. The Producer said it was only Rock n' Roll and I wouldn't need a part. I arrived at the studio just in front of 50 other musicians (honestly) who all had their parts. Needless to say it wasn't only Rock n' Roll and I had to learn my part while 50 musicians waited for me. A very sweaty experience! At that time young musicians were vaguely frowned upon by the session-man fraternity, especially if they had long hair. Anyway I got through it in the end and over the years I've talked to all sorts of session players who, funnily enough, have all had the same sort of embarrassing experience. Anyway to sum up it's essential to read if you intend to do all sorts of musical sessions. Somehow everything seems easier if it's written down and you can almost understand it.

Normally on recordings I find it's better to underplay rather than overplay, that's to say don't play two beats if one will sound better.

It's the drummer who draws attention to the punctuation marks of a song by fills and accents or, more importantly, by tacets. Sometimes it's what you leave out that makes all the difference. The acoustics of most studios tend not to flatter the drummer's sound - he has to work really hard to get a percussive sound, especially if he has a single headed kit. The music tends to be much neater and more concise if the drums aren't overplayed. Anything the drummer plays on record (or elsewhere) sounds better if it's played positively. Get in there and play it with confidence even if you are wrong at first. It's better to be positively wrong rather than almost right. Henrit's second law.

LISTEN

Finally, listen to and watch as many drummers as you can (bad ones as well as good), copy them unashamedly but adapt their ideas to your own style. There's no copyright on drum styles or techniques and you're fortunate these days in having so many good players to emulate. Remember half-an-hours applied drum thinking is more beneficial than two bored hours of practice.



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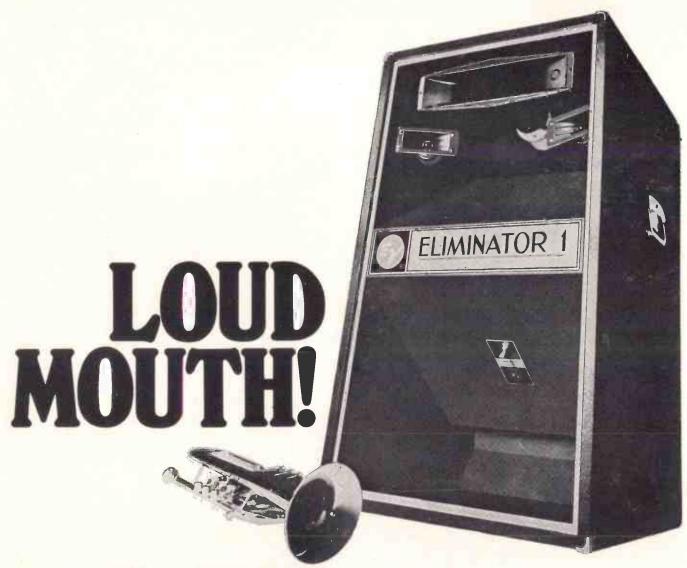
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SLOV MOTION MAN

MAN just may be the original band on the run. Ever since their inception in the autumn of 1968, Man have set a frantic pace which has gradually become their life style.

The personnel changes in the band would do an international football side justice. Amicable partings they may be, but their frequency – Deke Leonard reckons that Man have changed members every six months – is attributable to one thing – the road.

And yet, as Deke Leonard says 'We're always on the road, and it suits us. Whenever we have a lay-off, the band drifts apart.'

To anyone unfamiliar with Man, all this could sound like a contradiction. But in fact, Man is more of a life style, more of a musical existence than a band. Regardless of changes, departures and reunions, this feeling of an idea and the various musicians who subscribe to it has risen steadily in terms of album sales and audience numbers. Now, after perhaps 1,000 gigs and a total of 12 albums (which includes the work of Deke Leonard's solo effort), Man are bubbling somewhere just below the bottom of the charts. And are they concerned?

No, not much. The road is the life for them. Some bands have a destination in mind, a place, a status, a market, if you will, where

they know they can sell themselves.

Other bands, Man among them, just go out and do what they do, or rather do what they enjoy doing, and leave it up to the public to choose them. That takes time.

And time is one thing that the current Man line-up are prepared to take. With Deke on lead guitar and sharing the vocals with Mickey Jones on rhythm guitar, Ken Whaley on bass and Terry Williams on drums, Man are all set to attack the charts at their own pace.

Thus, it should surprise no-one that Man can call their eleventh

album Slow Motion.

STEADY GROWTH

'It more or less describes our progress up to now,' Deke told me with an unapologetic grin. 'Our growth has been steady, we've built up audiences of Man freaks gradually, in spite of not having management that could pump a lot of money into the band early on, in spite of a lack of hype, and with some really primitive gear at the beginning.'

The italics in the paragraph above are mine and, as I discovered,

Deke's as well.

Would he have preferred to have money early on to back his fledgling ventures, and for a bit of promotion? 'Yeah. It would have helped. So many times when we were recording I would think to myself 'This track could really use an Echoplex'. We've got that and quite a lot of stuff now, but at the time it would have made

a lot of difference.' Even now, one gathers, a bit more financial success would hardly hurt Man. While I was waiting for Deke Leonard to turn up, I heard one of his roadies and a management representative arguing about whether it was worthwhile to get the band a synthesizer — not buy, but hire.

There's no money to be had on the road, according to Deke. 'Most of what we make touring goes back into equipment.' The pace at which Man tour is very hard on equipment. In their recent tour with Badfinger, their P.A. was running an average of eight hours a night.

So they may be a good band that's bubbling at the bottom of the indices of success in spite of themselves, in spite of their preference for the road. But if they can crack the top, there won't be too many complaints.

What, I wondered, is it that makes a band a success. Besides good music, besides good records, and besides the basic desire?

'Well, I think it's the image more than anything. A band like Crosby Stills Nash and Young for instance. They had been around separately for a long time, making good music, but they just got together at the right time and caught the mood of the public.'

There is more to image than that of course. There is, in the end, marketing something attractive. Like a stage show, for instance. Which is, I might add, one of the aspects of Man which most of the music papers criticise. They just don't do anything, you know?

I mean, they just go on in anything, Levis and T-shirts even. And they don't move around too much.

They just sort of play their songs.

They don't bring motorcycles on stage, and they don't throw glitter at the audience.

They just play.

So how *can* they expect to make it to the top, or even into the bottom of the charts? What will they look like, should they stumble on to Top Of The Pops?

Probably like a bunch of Welsh musicians, which of course is exactly what they are. What a peculiar idea! What kind of an image is that? I mean, you don't just slog around on the road for six years, playing 100 gigs a year punctuated by a couple of frantic two week breaks spent in the recording studios if you want to get to the top, do you?

What sort of divine fools have I talked to? What brand of protracted, painful innocence is this? Surely anyone in the business now knows that you have to have a gimmick.

I mean, if you want to make it to the City of Success, all you need is to find the right motorway, follow the signposts and you'll get there. Unless you have a breakdown or doze off at the wheel.

I give up. Man must have spent enough time on the move to know that motorways can be pretty boring, regardless of the splendour at the end.

PRETTY BIZARRE

So they have settled for something else. A good road all their own, without signposts or maps or even a really familiar bend of any kind. They don't even know where it's going.

'You've got to do what you believe in; life can be pretty bizarre and there are a lot of things that you can't rationalise, you've just got to go on and live with them. 'Bands are as different as the people in them, and I don't really think that we could do anything that wasn't really us.'

But, the audience . . . won't they want something special? 'People have an idea of us as being heavy, I guess — thát's what they say anyway.' They also say that they like Man — most of the gigs are packed, and, as I said before, the venues they can play now are limited by their own popularity.

Someone, then, is listening to Man, and what a queer bunch they must be. People who like to go out and just hear music; not a happening, mind you, but quite good, professional music, made by people who like playing it, who enjoy like entertaining an audience.

The only possible good that come out of this rather stubborn approach to life – imagine doing what you want to do for a career – is success of a major scale. Man could become one of the lucky few bands to break into the charts, and the public consciousness, by doing things their way.

It could just be the 'gimmick' that will make them. If it doesn't, then you can just about be sure that one form or another of Man will be playing the various Greyhounds, Locarnos and Meccas of Britain, without too many complaints. And just think – it's all up to you whether or not they make it.

L.-R. Mickey Jones, Terry Williams, Ken Whaley and Deke Leonard



YOUNG THE ODD BALL

By JAMES LYNTON

Now that the dust has settled over the Crosby, Stills, Nash & Young Wembley supershow, where in excess of 70,000 turned out to see the Woodstock wonder boys do their stuff and ride off happily into the distance again, it's an ideal time to reflect, not on how the band shaped up but more important how one vital component of the line-up continued on his long road to near perfection. Neil Young, the tall, shuffling, laconic Canadian who fits the reluctant superstar role better than anyone you know.

Oh yes, he's improving on that so they say, still can't find anything to say to reporters, in fact he never could but Neil's certainly a changed man, musically at least. He's grown since those early times in the mid-Sixties with Buffalo Springfield, the music, writing style and singling haven't changed dramatically they've just grown, grown to the proportions that put Neil way up there among the most talented rock and rollers.

But the rise hasn't been gradual he's been one hell of a musiclan for years now, the process has just edged him further away from the commonplace into the realms of the very special. It's been something he's been able to control, at least it seems that way. He's work-

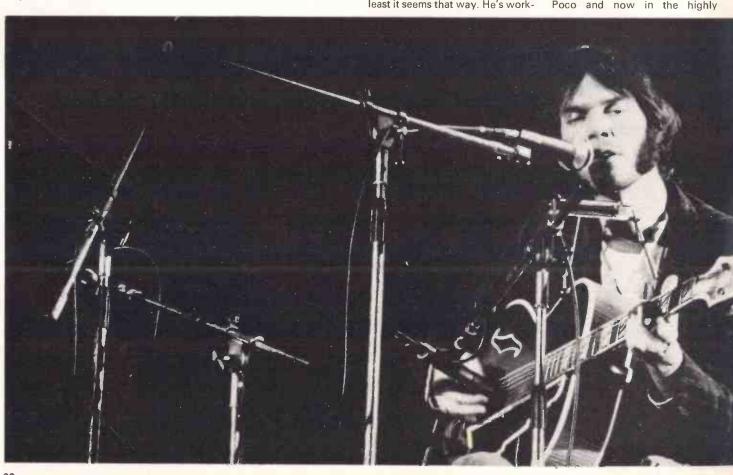
ed with a handful of musicians and producers over the years to create a feel that's grown and the lack of frantic switching and changing the people around him has helped.

OK so you can't mistake Young's music, some might refer to it as stylised, boring and wimpish but the facts speak for themselves, he's maintained standard and musicianship that the rest of the 'band' — Crosby, Stills & Nash and others — have found virtually impossible to keep pace with.

HANGUPS

From the outset Neil has been, because of his own self doubts and hangups and the full scale ego battles that finally split the original CSN&Y team, the man at the back, the odd ball in shades singing the welrd songs, a guy who fitted uncomfortably in the superstar system, but look at his record sales and the story's a lot different.

Buffalo Springfield was Young's first real testing ground and in the dompany of some excellent rivals his talents began to stir right away. The band were looked on in the States as one of the most exciting and creative of the period and Neil's contribution, along with Steve Stills, Richie Furay later Poco and now in the highly



thought of Souther, Hillman, Furay band), Dewey Martin and Bruce Palmer (later replaced by Jim Messina), was as singer, producer, writer and guitarist. Neil Young's careful climb had begun.

Perhaps the most typical Young song during these days was *Broken Arrow*, a number that he could include on one of his latest albums and it wouldn't be out of place. It's all there, Neil's fine sense of orchestration and dramatics, simple but powerful guitar and the down, almost languid vocals mould perfectly to create a song that some five-years on is simple but beautiful.

Out on his own Young started his solo recording career with Neil Young and some of the names his followers would grow to come to expect on his later albums appeared. The highly talented Jack Nitzsche from Springfield days, David Briggs and manager Eliott Roberts. By the time the second of Young's six solo albums hit the market he was on the way up and Everybody Knows This Is Nowhere with Crazy Horse sold over a million copies.

This fine album was produced by Young and Briggs and the Crazy Horse line-up was one to be respected, Danny Whitten (guitar), Ralph Molina (drums),

Billy Talbot (bass) and Neil also on guitar. The NY guitar style was beginning to gain some real strength by this album too and, along with his writing, marked Young as something of a big star in his own right without really hitting the big time — yet.

Everyone Knows contained some classic Young tracks like Cinnamon Girl and Cowgirl In The Sand but what was to come was really going to outstrip these first two albums. After The Goldrush was his third 'solo' and this one really started to turn Young into the superstar he was always destined to be, much against his will it seems.

STYLE

The album started to get near the 2-million mark and it was achieved with virtually the same style and approach Neil had been employing since Springfield days. The writing, playing and production was all improved but the initial source could be easily recognised. Briggs and Neil produced again and along to help out Crazy Horses were Stills, pianist/guitarist Nils Lofgren and Greg Reeves (who also worked a while in the CSN&Y team).

The fragility of Young's vocals was nowhere better illustrated than on the title track and in fact this album shows the full range of emotions from Neil. This album perhaps shows the man at one of his lowest but most creative ebbs, incredibly moving songs like *Don't Let It Bring You Down* and *Birds* highlighting Young's writing talents. But there's love songs too and the powerful and deep felt *Southern Man*.

A track that could be Neil's best known piece of writing, in the States at least, that movingly tells of the repression, murder and general mistreatment of blacks by the whites in the Southern states. The mood is malevolent, the rhythm section and electric guitar used so well that you can almost feel the charge of feal and excitement in the air.

Goldrush, and most of the songs, had been inspired by the Dean Stockwell-Herb Berman screenplay After The Goldrush and apart from the feeling that comes through there's also stronger signs of the early progression solidifying into something Neil had been working on for a long time. The album doesn't contain a weak track and Young moves around among the musicians he knows with a growing self assurance and ease.

That was in 1970 but Neil's fourth album Harvest didn't hit

until '72 but it was his biggest seller to date, the accumulative effect of those earlier outstanding albums had taken and the sales soared over the 2-million mark. Obviously the tie up with the CSN &Y roadshow helped but you can't help feeling that such is Young's talent it would have happened anyway.

There's a much more down home, funky feel about the Harvest album, perhaps a reaction to the slickness of CSN&Y workings, and the appearance of the Stray Gators helps this feel. The familiar name of Nitzsche is there again on piano and slide, Ben Keith (steel) and the highly rated Nashville team of Kenny Buttrey (drums) and Tim Drummond (bass), who'd played in the distant past with Conway Twitty in the good old days and James Brown.

Again the brilliant tracks clock up, Alabama, Heart Of Gold, A Man Needs A Maid and the help of producers Nitzsche, Eliott Mazer and Henry Lewy, Young got another beautifully balanced set. An album that had all the touching dramatics of Maid and the throwaway lightness of Out On The Weekend and still Neil managed to jack up his performance by just another notch, the improvement, not as rapid as before, continued.

By this time CSN&Y was just a memory and Stray Gators much more a reality, so much so that Neil decided to get back on the road, try and loosen himself up a piece and get to know his public again. But Neil bit off a little more than he could comfortably chew and the ensuing six or eight months did not go at all well for his career.

CAPACITY

He and the Gators — Nitzsche, Drummond, Keith and Johnny Barbata (drums) called in on over sixty towns and cities in three months, working the big 15,000-20,000 capacity halls and the schedule and other things started to wear Young down noticeably. Young had also completed a film Journey Through The Past which he failed to get a distributor for and the accompanying theme album didn't take off in the NY tradition at all.

Time for the fifth album to be released (if. you don't count Journey, which most don't) and it was back to Mazer to help out on production. Titled Time Fades Away it was recorded live on the Gators' tour and took in gigs at Seattle, San Diego, Oklahoma, Cleveland, etc. and, like the later Young albums, took a bit of getting into.

This one didn't jump up at you instantly and say 'POW! I'm a Neil Young record, listen!', it was a much longer affair of having to get to know the songs and come back regularly to check out new angles that you'd missed first time round.

After hitting Britain, Neil had an album planned called *Tonight's The Night* but it was scrapped, he had worked with the Crazy Horse line-up and got a *very* funky old club feel according to bassist Drummond but the final results did'nt suit Neil at all. A rest, fatherhood and by the time the Spring of '74 had rolled round *On The Beach* was in the can and plans for the CSN&Y reunion were blowing hot.

On The Beach captured the new Neil Young attitude, more outgoing, more in the limelight approach and the distillation of his guitar style. Everyone had thought Young was a pretty mean player but Beach proved he'd moved past that and could rival the best players around, at any level. The line-up was familiar, Briggs, Keith, Drummond, Billy Talbot, Ralph Molina all cropping up along with Nash & Crosby and two Band members Danko and Helm in the rhythm section chair.

Again this was an album that you had to listen to to fully understand, it bristled with more get up and go and wit than most Young fans expected, but you had to give it a dozen or so plays before the sheer depth and beauty filtered through, especially the Young guitar pieces. Walk On, Motion Pictures and See The Sky. About To Rain are all instant Young classics but the title track, with the most underplayed and meaningful guitar you'll hear anywhere, is captivating and moving.

So, despite the reported overnight change, Neil Young remains the reluctant up fronter. On the reunion tour he turned up on stage in St. Paul in front of nearly 20,000 in patched cord trousers and a Buick service jacket and the traditional shades but played with a vigour and dash that few had seen since those mix-Sixties.

Young's career, with the CSN &Y get together, this new found ease and the *On The Beach* release is ever closing in on the full fruition of his myriad talents. When you hear people speak about the leaders of rock and roll, Wonder, McCartney, Joni Mitchell and the likes, remind them of Neil Young, a name that won't be left out of any history of the music, a music he's help elevate and retain at an outstandingly high level.

Remember the name.

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ALBUM OF THE MONTH

THE ROLLING STONES

IT'S ONLY ROCK'N'ROLL

ROLLING STONES COC 59103



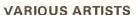
It's amazing how unchanged the band sound. I recall them playing at the Richmond venues in 1964 and their sound was exactly the same as on this album. That's not a criticism, it's a compliment to their ability to keep things together. Not because of the simplistic approach they consciously adopt, it's because they've managed to still make it sound like they mean it.

There's some really fabulous guitar work from Keith Richard and Mick Taylor — especially on the first track If You Can't Rock Me and the whole album is one of crushing guitar licks and very heavy chord work.

Bill Wyman's bass is as powerful as it's ever been, listen to the way he and Charlie work on Dance Little Sister and you'll remember how a group should be.

When I first heard the single track It's Only Rock 'n' Roll I was a little disappointed, but the album holds far greater tracks than this.

Ain't Too Proud To Beg, If You Really Want To Be My Friend are as good as anything the 'Golden Years' produced. Long live the Stones, with albums this good, you've really no need of superlatives. Just hear the album.



ANOTHER SATURDAY NIGHT

OVAL OVL 3001

This is a collection of finger-picked acoustic guitar pieces which should appeal to anyone with a liking for the country blues.

The legendary Rev. Gary Davis contributes two of the tracks: Swingin' Blues, and a fine interpretation of Darktown Strutters Ball. The latter has also been recorded by Tex Isley of North Carolina, who may well have gained his inspiration from Davis's version. Although the Davis tracks lack the polish of the others, they are compensated by an individuality and indefinable 'feel' for the material that one normally finds in artists of his stature and influence.

His one-time pupil, and probably the best known of white blues-pickers, Stefan Grossman plays two bottleneck pieces: an unfortunately instrumental-only version of Sonny Boy Williamson's *Good Morning Little Schoolgirl* and *Tell Me Baby*, which Stefan tells us (on the sleeve) is 'after the playing of King Solomon Hill, a mysterious figure'. He even obligingly goes as far as to give the number of the original recording.

Roy Bookbinder sings and plays three numbers in an orthodox but competent manner, the most interesting one being an old minstrel song, I Got Mine.

A contemporary influence is noticeable in *Delta Swing*, a dextrously picked track by Larry Sandberg 'an original instrumental in the delta (i.e. Mississippi Delta) style'.

The artist that I was the most impressed by is Woody Mann, whose driving vocal and instrumental style lies somewhere between the city and the sticks. Woody is heard to best advantage on *Who's Been Here*, which contains some powerful 'spat out' vocals and a particularly outstanding guitar break.

D.R.





JOHN DENVER

BACK HOME AGAIN

RCA APLI 0548

Here's a record to make tired roadies wish they'd thought ahead and put some money in the building society. John Denver seems to inhabit a different kind of world to most of the other artists and bands on the road. His is super clean, detergent fresh, he is all shining face and gleaming smile and his songs are a celebration of down home life on the farm and the good things of nature.

As such, you either love him or hate him. His high, pure voice is perfect for his melodic tunes. The lyrics on this album are all about different aspects of being a country boy, from the humorous, in *Grandma's Feather Bed*, the romantic, in *Annie's Song*, *This Old Guitar* and *It's Up To You*, life on the farm in *Thank God I'm A Country Boy*, *Back Home Again* and *Matthew*.

Sweet Surrender is another celebration of the freedom of country life, like It's Up To You and Cool An' Green An' Shady, but it's one of the strongest songs on the album, with the chorus repeated and gradually built up. Thank God I'm A Country Boy is also very well arranged; starting off with just Denver's voice and handclaps to keep the rhythm and then breaking out into country style fiddles and guitars on the appropriate verse where 'I pull out my fiddle and rosin up the bow'.

Milton Okun has done a very smooth production job on this album. A lyric sheet is included, which is a thoughtful accompaniment to these sing-along numbers.

Creative genius or cacophonous row? A brilliant example of modern musicianship or a sick joke at the expense of the record-buying public and the vinyl shortage? Whichever way you hear them Can, from Germany, cannot be ignored.

Personally I think they are a joke — with titles like *Ethnological Forgery Series Nos. 7, 27 7 30, Mother Upduff* and *Blue Bag (Inside Paper)* — 'Blue-blue bag, nothing you got today, blue-blue bag cry forever, blue-blue bag, inside paper, inside the paper nothing to do, what you got?' they have to be. However, it's a joke that's motivated by pure genius that lies somewhere between the realms of jazz-rock, Wild Man Fisher, Stomu Yamash'ta or an evening with Edgar Allan Poe.

Perhaps it gets closest to some of Yamash'ta's work, with imaginative use made of percussion, rhythmic patterns and bass lines amongst the weird and off-key horn sounds.

The album has something of an erotic quality about it, at the same time being an invitation to a ride on a musical nightmare — in effect it may literally 'blow your mind' to use a well-worn phrase, or, leave you completely out in the cold. Can can certainly be taken seriously, but keep a tongue in the cheek at the same time if you don't want to be labelled pretentious.

D.R.

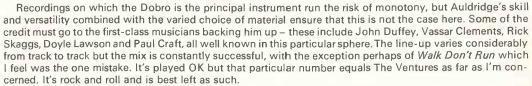


MIKE AULDRIDGE

BLUES AND BLUEGRASS

SONET SNTF 673

Mike Auldridge has firmly established himself as a leading exponent of the Dobro, and this his second album (issued in the US on Takoma Records) proves it.



The title of the album is a bit misleading — it's difficult to put a finger on the material, but there's very little that falls within the context of negro blues as played by the likes of Fred McDowell, Robert Johnson, Elmore James & Co. Two tracks that are likely to appeal to the blues fan are Strutting The Blues and Everybody Slides, but 12-bar E-A-E-B-E- sequences are avoided. Numbers such as Bottom Dollar, Summertime and the Beatle-ish Killing Me Softly might be classified as blues in a more general sense though, and the last two mentioned are particularly well-handled.

Blues is a contributory factor in bluegrass music however, and certain tracks such as *New Camptown Races, Eight More Miles To Louisville* and *Panhandle Blues* fall into the bluegrass category. Other tracks are outside it, but despite this, if you want to hear the Dobro played with flair and imagination, Auldridge is your man.

D.R.





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A potted version of the long, interesting story behind this band is that the idea of a band called Sailor originated in Paris in 1936, where groups of musicians used to play in a small, smoky club called Le Matelot, which, as anyone with a smattering of French will know, means The Sailor. The English name was adopted in 1939 and many famous musicians passed through the ever changing line-up. Unfortunately in 1971 the club burned down but these last four of the musicians managed to keep in touch.

The concept of the album was originally intended as a rock opera set in the red-light district. The album traces a sailor's life from the traffic jams of the city - the number Traffic Jam is out as a single and getting a lot of airplay - out onto the deep blue sea, where Blue Desert mirrors his loneliness in his cabin with Betty Grable pin-ups on the wall, then we get a tour of the red-light districts of Amsterdam and Paris, a hymn

of praise to the girls, plus many well-observed details of cafe and city life.

It's one of the most interesting albums I've heard in a long while, not only in the subject matter and variety of the songs, which are all extremely well constructed and contain at least two more potential singles, but in the unusual instrumental line-up. All the songs are written by the Norwegian, Georg Kajanus, who plays 12-string guitars and sings the lead vocals. Henry Marsh plays accordion, nickelodeon and piano, Grant Serpell plays drums and percussion and Philip Pickett bass, nickelodeon and piano. You'll notice that there's no electric lead guitar.

You'll never have heard a sound quite like this unusual combination of instruments. The guys' voices blend beautifully and listening to this album is a totally fascinating experience. L.R.

LES PAUL & MARY FORD

THE VERY BEST OF . . .

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Yes, this is the face that launched a million guitars, the one and only original Les Paul himself. Les never dreamed of the extent to which his guitar would become popular, or of the music that people would one day

Les's ability to make his guitar 'speak' in a way different to any other marks him as one of the greatest innovators in guitar history and he was probably the first man to properly exploit the potential of the Echoplex and multi-tracking techniques. These recordings have obviously dated some with the passing of years, but far, far less than most of the pop that was around in the pre- rock and roll era, which proves that Les was certainly ahead of his time. I'd even go as far as to say that some of Les Paul's licks could well have influenced Chuck Berry - listen to Bye Bye Blues, Goofus and Jealous for example.

Mary Ford, Les's mellifluously-voiced partner provides the icing on the cake but on the duet tracks (many of the 16 tracks are instrumental and feature Les on his own) both are complementary, neither attempting to steal the show. Mary and Les could certainly sing and play the blues when they wanted to, listen to St.

Louis Blues, it's superb.

It seems odd in view of its recent popularity, that Vaya Con Dios sounds the most old-fashioned of the tracks (it is also the schmaltziest). Alex Harvey fans will no doubt recognise The Carioca, recently revived by Zal Cleminson and I wouldn't mind betting he got it from Les Paul!

One black mark goes to Capitol for giving us no information whatsoever about the recordings, bar the composers' names. Are there any L.P. & M.F. fans amongst our readers who can supply some?

The recordings have been re-channelled for stereo effect but it's been done well and they don't seem to have suffered as a result.

Some of the better-remembered titles included here are I'm Sitting On Top Of The World, Nola, Bye Bye Blues, The World Is Waiting For The Sunrise and How High The Moon - an old 78 copy of the latter, bought at a jumble sale for 3d has been a treasured item in my record collection for many years and this album will be the same. Incidentally, who wouldn't like to get their hands on that nice little Gibson pictured in triplicate on the cover?! D.R.





VARIOUS ARTISTS SOME PEOPLE PLAY GUITAR ... KICKING MULE SNKF 102

One of the most interesting releases (and a bargain-priced one at that) to fall into my hands recently is this first Oval L.P. compiled by Charlie Gillett and Gordon Nelki.

This album of modern specialist recordings almost takes the form of a modern 'field trip', presenting recordings issued on small labels in Louisiana which would otherwise remain unheard this side of the Atlantic – and probably in most of the States as well.

The cuts are all by 'obscure' artists and fall into two distinct categories: 'cajun' which has been popular in the Louisiana area for many years (heard here in its most commercial form) and could loosely be described as French country music and 'bayou' which owes more than a little of its origin to soul music.

Anyone with an interest in these fields or rock and roll and blues will probably find this disc worth a listen and may well wind up being 'sold' on either or both of the two styles represented. There seems to be a longoverdue trend developing now towards leaving mono alone, and the dread 'mono enhanced for stereo' trap has been avoided.

The title track is the Sam Cooke hit (recently revived by Cat Stevens) sung by a Mr. Clint West - this one falls into the bayou category and features some good sax work. Clint West also appears in duet with Tommy McLain on a very soulful Try To Find Another Man. Two other outstanding tracks are McLain's Before I Grow Too Old and Rufus Jagneaux's Downhome Music which sounds so Stones one wonders if the name is more than coincidence!

Turning to the Cajun material, which is largely distinguished by French lyrics and accordion - yes, accordion, for my money Belton Richard's mournful Cajun Fugitive is the best track (cha-cha-cha ending excepted), though it bears more than a passing resemblance to Merle Haggard's C & W hit Branded Man. Johnnie Allen runs it very close with an instrumentally different but creditable version of Chuck Berry's Promised Land. Just to confuse matters Two Steps De Bayou Teche by Austin Pitre is in fact Cajun despite its title, and although the fiddle playing on this leaves something to be desired, it is a good piece, representative of the more traditional cajun music. D.R.

SONGHAR ERSE THE LAW'S ON YOUR SIDE!

T'S nice to know that the House of Lords is on your side! And if you're wondering what that distinguished collection of titled gentlemen have got to do with the music business - the answer is a great deal because the House recently had to decide whether a publishing contract was fair or not to the songwriter who just happened to be Tony Macaulay, the very successful composer of such hits as: Love Grows Where My Rosemary Goes, Baby Now That I've Found You, and Let The Heartaches Begin.

Fortunately for Tony, the huge royalties that he earned from his many hits gave him the money to enable him to continue fighting this important case for seven long years and the final result was that the House of Lords decided that no publishing company could ask any young songwriter to sign over all his songs for many years to come.

In other words, if any budding songwriter has signed such a contract and now feels that he has given the publisher in question ample time to have sold his songs — which would normally be between 18 months and two years — he is entitled to go to that publisher and say that he wants them to let him have his copyright back again.

The dispute made history because it was the first time that a case involving the music business had ever reached the House of Lords and also the first time a case had been fought on

HOUSE OF LORDS GIVES VERDICT IN FAVOUR OF YOUNG SONGWRITERS

the 'restriction of trade' point since 1816.

How did Tony Macaulay get into such a situation in the first place? The answer is in exactly the same way that hundreds of other songwriters do every year. They simply approach a publisher, play him their songs and end up over the moon when the publisher asks them to sign a contract.

'I started writing songs in the early 60's,' Tony said 'because I found I wasn't much good in groups. I trekked up and down Denmark Street with the tapes, the way all writers do, but I couldn't find anyone who was interested in my songs.'

Then a chance came for him to work as a promotions man for Essex Music and later he was given a year to prove himself as a record producer with Pye Records. Within six months he had his first hit record—with a song he'd written several years earlier.

'I should think my first ten hits were all songs which I'd been trying to sell for some time - things like Baby, Now That I've Found You and Let The Heartaches Begin, for instance.' In the end Tony claims that he was the one who got those songs off the ground. He

had to do a lot of the spadework, getting his own material recorded and plugged.

What most aspiring songwriters don't realise is that a publishing contract doesn't mean very much these days. The thing that matters above all is to get your material recorded – then you can start to hope for a big hit. Even persuading a local group to sing some of your songs matters far more than signing some nebulous piece of paper and sitting at home waiting for it all to start happening.

IN-HOUSE

Once you've got someone interested in recording one of your songs, that's the time to go through the formality of sorting out which publishing company to sign with.

Of course, there are good publishers and bad publishers. The good ones really do try hard to get a writer's songs recorded, but even this age-old function of the publisher is dying out, and is fast being superseded by a new development - what Tony Macaulay describes as the 'in-house situation' whereby the artist, producer, publisher, and record company are all under one roof, so to speak. This has reached such a stage that about 90 per cent of British chart hits come from inhouse operations.

It is now much more important for the writer to take his songs straight to a company which can record them, than to an independent publisher. And, as for signing his songs to the worst type of publisher — he'd be better off to give up altogether!

Some publishing contracts can tie a writer down for a number of years during which he cannot offer his work to anyone else. That is what is meant by 'restraint of trade'. And even worse, there is no onus on the publisher to do anything with those songs. so the situation can easily develop where the songs sit mouldering in a drawer for years until suddenly the writer becomes popular as an artist, or by his own efforts gets a top artist interested in recording a song. Then it's bonanza day for the publisher. He can get out all those old songs for which he has done nothing and start reaping unmerited rewards.

This was the sort of contract Tony Macaulay signed when he was only 21 and as he says, 'I was a lot less naive than many other people because I was already in the music business. So if it hooked me it would hook anyone'. The agreement was to last for five years, to be extended to ten years if in that five years the writer earned over £5.000 from his songs. But £1,000 per year isn't very much considering that a top ten hit can earn vou more than that in a few weeks.

Although there was a clause in the contract which publishing allowed the company to terminate the agreement by giving one month's notice, there was no similar clause allowing Tony Macaulay to do the same. There was also no clause stating that the publisher was under any obligation to try to get any of Tony Macaulay's songs recorded.

When you realise exactly what it means it sounds dreadful, doesn't it! Yet this is the sort of contract that has been standard throughout the business for a long time, although some companies have included clauses in their contract that are fairer to the writer, in that they let him have his songs back if, after a certain length of time, nothing has happened to them.

For a long time the Songwriter's Guild has been campaigning for a new standard contract which will automatically allow the writer to have his songs back after a period of two years, if in that time they have not been recorded, broadcast or the like and if he actually asks for them back. If he doesn't request their return, they will stay with the publisher for the length of the contract.

FAIRNESS

Other people are now beginning to see the fairness of this and the Music Publishers' Association has been meeting to discuss the designing of a new contract which will be fair to writer and publisher alike.

The final commendation for a re-think throughout the industry was the decision of the House of Lords who saw a contract such as the one Tony Macaulay signed as completely crippling a young writer's talents. The fact that he could be tied up in such an agreement for ten years or even longer in the case of some other publisher's contracts is unfair not only to the writer but to the public as well, who will be unable

to hear music which might be really excellent if the publisher sits tight and does nothing to promote the songs

The House of Lords also viewed as unreasonable any publishing contract that didn't contain a clause by which the publisher could satisfy the writer that he was going to do his best to promote his songs.

Now that this case is won, Tony Macaulay, along with other top writers such as Roger Cooke and Roger Greenaway, Mitch Murray, Andrew Lloyd Webber and Tim Rice, is leading a crusade to prevent this sort of thing happening to other young songwriters.

'One of the things that all of us have been through to a greater or lesser extent is the business of signing up to a publisher and then having our songs sit around for ages with nothing being

done for them. I'd like to wipe this kind of publisher out of the industry.'

He mentions several things to watch out for if you are going to sign a publishing contract, important points which could affect your future as a songwriter.

'Firstly, if you give your songs to a publisher, be sure to insist on a clause being put in that states that if the publisher doesn't get some sort of coverage of the song within, say, eighteen months, you can ask for the song back.'

LEGAL

(This is what the Songwriter's Guild has been campaigning for for years and the M.P.A. are now advising should be included in every contract.) 'An exclusive agreement is perfectly all right provided you can get your songs back and take them elsewhere if they are not going to be used.

'Secondly, from a legal standpoint, you must make sure that there is contained in the contract some obligation on the publisher to do something, even if it only says that he will use his best endeavours.

'Thirdly, no contract that lasts for longer than five years can be considered fair in this industry any more. Management, production and record contracts never exceed five years.'

This point goes for everyone. No group member
wants to be tied to a manager he doesn't get on with,
no manager wishes to be
tied to a group who haven't
lived up to his expectations
and no group member
wants to be tied for years
to musicians he feels he
cannot work creatively with
any more.

'Fourthly, something I consider very important is that there should be some kind of agreement that the publisher spends money on demo records. Once he's spent his own money he'll feel more like doing something with the material.'

What does Macaulay consider is the best thing for a new writer to do with his songs?

DIVORCE

'I'd look around very carefully, think of the kind of producer and artist I have respect for and take my material to in-house situations like RAK or Cookaway for example, one of those publishing companies that is also a record company. That way, even if the writer is not coming up with hits to start with, he'll get LP tracks or B sides.

'To sum up. I don't think the writer will ever be in as much peril as he was before this case was won. Now, a legal precedent has been established showing that even if. to use the American legal term, you are married to a bad wife, you can still get a divorce. A lot of new writers should benefit from my experience.'



'Some publishing contracts can tie a writer down for a number of years'



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STUDIO SPOTLIGHT

MASTERING THE CUTTING BUSINESS

A BOVE all The Master Room is a good idea – not a revolutionary one – but a very good idea.

The U.S. recording industry has for a long while recorded in one studio, mixed in another studio and mastered in a third. The Master Room is the U.K.'s first fully independent mastering operation and offers these exclusive facilities to the public for the first time. Now British producers can take their master tapes to a fully independent mastering studio and know that they will have complete control over the cut. More important that they will know that they can't find a better cut anywhere. That's what The Master Room is aiming at,

Until recently anybody who wanted the best cut available would consider Apple studios high on their list, and the two cutting engineers at The Master Room both helped to bring prominence to the Beatles' company.

George Peckham runs the show and controls the cutting operations. He used to be a member of Merseyband the Fourmost until he learned the trade of studio engineer and joined Apple. Over the years he became respected as one of the finest disc cutters in the industry and decided to capitalise on his talent by going independent. George prospered in this role and it was during a visit to the APRS show in 1973 that he met the man who was to offer him the chance to turn his talent into a business.

VENTURE

As George was wandering round the show he met Freddie Packham. Freddie has an involvement with disc-cutting and studios dating back a good few years and he was on the look out for a new venture in sound recording. Meeting George supplied the answer.

'Pretty quickly we decided to

set up a completely independent master studio,' said George. 'It took us nearly a year to get the whole thing together, but it's been great fun.'

George decided he needed another cutter and he looked towards Apple again. One of the most successful cutting engineers there was Tony Bridge and he agreed to join The Master Room. Even before the official opening date at the end of November, the two were working all hours possible on cutting.

'It's been a fantastic success already,' said George, rather pleased with himself. 'Work has been flowing in. Tony and I have naturally built up good relationships with a number of clients and I'm delighted to say that they're bringing their business to us.'

Tony's background is that of the classical engineer. He started out at EMI.

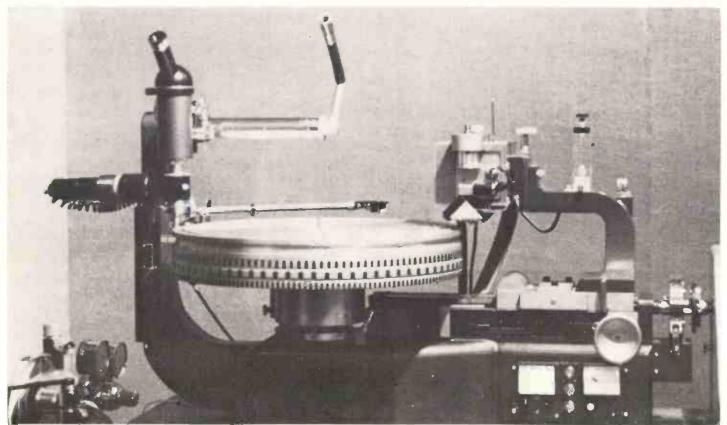
'At EMI in those days you started as a tape operator and

then moved up to being an assistant engineer,' he said. 'After that you went over to disc cutting and learnt the basics of that. When I got to disc cutting, I liked it so much that I stayed there. I desperately wanted to be a good cutter and it was while I was cutting for EMI that I was offered the chance to join Apple.'

Now that most producers are realising that the cut is as important as any stage in the recording process, the cutting engineer is called on to be as interpretive as the recording engineer. What are the particular problems of cutting?

'One of the main problems today is the relatively untrained engineer,' said George. 'Some of the newer, smaller studios are using engineers who've come from bands who've got very good ears and ideas but they don't understand the needs of a cutting engineer. Sometimes the producer

Continued on page 33



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George Peckham, Director & Chief Cutting Engineer.

THE MASTER ROOM



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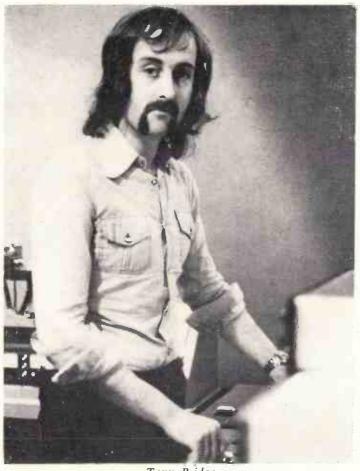
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Tony Bridge

STUDIO SPOTLIGHT

Continued from page 31

gets carried away and tries to get levels onto tape that just can't be cut. If the engineer goes along with him we end up with a tape that really can't be cut - at least not how it was recorded. It's not just the level, it's more a question of controlling the peaks. It's not too hard for us to do that, but ideally we shouldn't have to limit or equalise a tape when we're cutting. If an engineer has also done a course in disc cutting he will understand these problems and ensure that the recordings are OK for the cut."

FACILITIES

Naturally The Master Room has full facilities for adjusting the sound on any recording, but the minimum change is considered the best.

The Master Room occupies the ground floor and basement in a listed building in Riding House Street, London W.1. The imposing premises were formally a large photographic studio and there is plenty of space left for expansion.

Things are going so well that

plans are already being laid for a mix-down suite and a vocal/voice over booth, but that's a little in the future and that development will be founded upon the continuing success of the disc cutting operation.

'We think we're likely to be popular just because of the lengths we are prepared to go to. We will cut, cut and cut again for the customer who wants to get a particular finished product.'

The Master Room is equipped with the best cutting equipment available, the lathe is a Neumann UMS70 with a SX74 head and the main tape machine is a Studer. Full limiting, compressing, eq and Dolby facilities are available and the monitors are giant Telefunkens. The studio is restfully decorated in brown and cream with dimming spot lights and the studio has an atmosphere conducive to hard work over long periods.

'For a long while the US market has appreciated the need for completely separate mastering,' said George. 'Now it is the UK's turn.'



George Peckham

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INSTRUMENTAL

MARSHALL FOR ELTON

Marshall have recently supplied specially built mixing equipment for Elton John including a 30-channel out-front mixer and a 16-channel onstage unit. The larger mixer has facilities designed by Clive Franks, Elton John's own sound technician, and Marshall circuitry. It incorporates four effects groups, eight subgroups, two outputs, switchable up to five-way crossover with limiters on each output. Metering is 'mainly P.P.M.'

16-channel foldback mixer (16 in, four out) has each channel switchable to any or all of the six outputs. The circuitry is based upon Marshall's standard production solid state mixer, the Series 2 12-channel stereo mixer.

The latter features headphone monitor module, echo and reverb module with echo send and return volume controls, foldback output module (for stage monitor amps) with presence control, panning facilities and master VU meters and type XLR -3-32 600 ohm balanced outputs located on the rear panel. The channel output is controlled by slider volume control and pan pot, with an individual VU meter on each channel for pre-fade monitoring. An internal reverb unit is fitted with provision for external echo.

Routing facilities include headphone, pre- and post-fade listen, foldback volume control and echo and reverb.



Marshall Series 2 12-channel stereo mixer

Cetec into

ETEC, the American audio systems manufacturers have launched their first foray into the UK market. The full range of Cetec's consoles are now on display to the public at the company's showrooms at 16 Uxbridge Road, London W5. Cetec's extensive range of consoles, which include the Series 10 Broadcast Consolex and the Series 20 Live Media Console, now also includes the Series 1204 Console, available for the first time in Europe.

Managing director Brian Wills told Beat Instrumental, 'this is the

first time that Cetec have made their products available in this country. Previously, the only other European outlets were in France and Italy. Now, they are fully available to people in the UK'.

Cetec also offer a very wide range of channel mixers, mixer systems, programme amplifiers, as well as the full range of Gauss loudspeakers.

The newest addition to the Cetec range is their 4" compressor driver, which complements their already popular range of bass drivers.

TRAFFIC FREE R.S.D.

ONDON bands and musicians will soon be able to visit R.S.D's (Rotary Speaker Developments) new and very comprehensive equipment store at 186-188 Kensington Church Street, due to open by early December, 'It's an ideal location for bands situated between Shepherds Bush and the West End,' comments managing director Paul Dobson, 'They can buy everything they want here without getting bogged down with traffic.'

There will be virtually two shops in one, with a hire department at the back of the premises, in Rabbit Row. At 186 the shop will stock practically everything for on-the-road bands, including such essential items as strings, drumsticks, plugs, sockets, replacement speakers, horn drivers, tape of various types, and specialised hi-fi equipment. Various instruments will also be available, including Rickenbacker and John Birch guitars, drums, mikes, stands, guitar amps and standard cabinets and a small selection of stage lighting equipment.

R.S.D. are well known for their specialised custom-built PA systems and this side of the business will be handled at No. 188, including speaker cabinets, mixers and equipment designed for use with bass guitar and organ. Other manufacturers' gear will also be on sale, together with R.S.D's own range of electronic crossovers, graphic equalisers, leads, multicores, stage boxes and talk-back

The location of the shop - so near to the centre of London yet out of the most congested area - should be very convenient.

R.S.D's sound experts also offer technical information and advice to musicians, bands, and people interested in electronics.

Above the shop R.S.D. will be opening a 'professional' showroom for recording equipment. Items on display will include monitors, power amps, 24-track tape machines and the new R.S.D. 24quadrophonic recording desk. The latter incorporates many facilities such as ten-band graphic equaliser on each module, LED displays, many effects sends and multi-track routing.

Says Paul Dobson, 'there are a number of studios in the area which we hope will make use of our convenient position and rapid service'.

The R.S.D. hire company, managed by Pete Coggins, will operate a 24-hour service with a comprehensive range of equipment available at a moment's notice, from a 100-watt PA up to a 15,000-watt system complete with 30-channel quadrophonic desk. Drums, organs, standard and specialised stage equipment, mike stands and other accessories can also be hired. The hire service extends to full transport facilities with hire trucks, road managers, drivers, experienced sound engineers 'a rare species', and tour organisers who will cope with all arrangements needed for the largest tours and such hassles as carnets

Completing R.S.D's new complex is the accounts department above the shop where Rose Willis 'will attend to financial matters'.

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B.B. Beats the Acoustic Problem

A MPLIFYING the acoustic guitar has always been a problem for the musician who wants to reproduce the natural sound of the instrument with an even response over all of the strings instead of just 'electrifying' it. The alternatives are a contact microphone, which can present feedback problems, or playing the instrument before a conventional mike.

While the latter is probably the best choice from the point of view of reproduction, freedom of movement is obviously restricted and for the inexperienced, finding the most suitable mike from the wide choice available can present a problem as well.

However, another solution is offered by the new Barcus-Berry transducer system which picks up the vibrations of the instrument itself and can be plugged into an amplifier direct or via Barcus-Berry's pre-amp' We recently had the opportunity to try one of these transducers and found that it performed equally well with or without the pre-amp, although it was possible to obtain a greater

variety in sound via the dual hi/lo impedance outputs (stereo model) and the built-in controls for bass, treble, depth and gain.

The actual transducer is only about an inch long by $\frac{1}{4}$ " wide, and two fixing screws are provided for locating the unit inside or outside the body – although most musicians will favour the bridge where maximum vibrations occur.

Not everyone may want to install the transducer permanently or use screws on their guitar and Barcus-Berry have taken this into account by also providing special mastic adhesive which they claim is strong enough to hold the transducer in place but can be removed after use without damaging the finish.

Models are also available for other instruments, including the piano, and Davis & Son of Harpenden who specialise in pianos and are handling these systems recommend the use of the pre-amp with piano. Price of the acoustic guitarrtansducer is £26.60 Further information is obtainable from Davis & Son, 433 Luton Road, Harpenden AL5 3QE.



Beyer Introduce New Headset

WEST German manufacturing firm Beyer Dynamic were showing a unique extra light headset at the recent UK Audio Fair. Known as the DT 302, it is claimed to be substantially lighter than other open-air phones, this lightness being achieved by the design of the headband, which allows simple adjustment of the ear pieces up or down. These are protected by foam plastic pads eliminating any interference from 'local noise' and at the same time being exceptionally comfortable

for the wearer. In fact, the weight of the headset is only 66 g. (2·3 oz.), and the manufacturers state that the pressure is only a quarter of that normally experienced with other headphones.

Although intended primarily for the popular hi-fi market, the quality of reproduction is very high and the Beyer engineers claim that it should satisfy even the most discerning listeners. The DT 302 comes complete with three metres of lightweight cable.

MIXER REVIEW

DAVOLI UF 100

DAVOLI'S Echo Mixer 6 UF 100 mixer amplifier is a versatile six channel unit capable of producing a wide variety of echo sounds.

Each channel has rotary controls for volume, bass and treble calibrated from -15 dB to +15 dB, and echo volume. The echo volume controls are switched in by pulling them outwards. Channels 1 and 2 each have four inputs with differing sensitivity so that four mikes can be grouped together yet still perform at a similar level to the other individual inputs on each channel - a total of 12 microphones can be used at any one time. We tested the mixer with a Davoli microphone and found the bass response particularly good.

There are two master volume controls, one for the mixer and a second for the two slave amp sockets.

Two presence controls are provided: a frequency selector switching 250 Hz, 500 Hz, 1 KHz and 4 KHz; and dB level switching 0dB, 6, 9, 12, and 15 dB.

ECHO

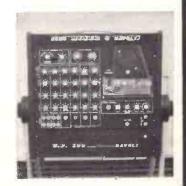
The built-in tape echo unit has a continuous tape reel running over one erase and three record heads. A useful feature is the record/playback facility. In normal use the listen/record switch is set to 'record' to produce the desired echo effect, but when turned to 'listen' the tape will playback whatever sound has been fed into the mixer for about the last 45 seconds.

A separate Output Echo knob controls playback volume. The other echo controls are Halo, which determines the amount of echo, Tone, and an Echo 1/Echo 2 knob which gives variable delayed echo on 1 and variable fast echo on 2. A Stop Echo socket is fitted for use with a footswitch. A Tape Stand By lever which is in effect an on/off switch stops the tape.

CABINET

The black enamelled metal cabinet has wood veneered sides and has been designed so that the legs can be fitted wrong side-up before taking the mixer out of the transit case. When this has been done the unit is simply removed and the legs swivelled round to the correct position, making setting-up particularly easy. The mixer can also be swivelled to any angle to suit the operator.

The Echo Mixer 6, complete with fibre carrying case is priced at £334.80, including V.A.T. and is an ideal unit for the band that wants a fairly sophisticated mixer PA at a reasonable price.



Davoli Mixer

CHINGFORD'S GROWTH

DESPITE all the pressures of the present economic situation on their fifth anniversary, Chingford Organs are looking forward to another five years of rapid growth.

The firm specialises in supplying electronic organs for the home and this accounts for 95 per cent of their turnover. But group equipment plays an important role in the business—as is evidenced by their fifth shop to open (at 242 Chingford Mount Road, Chingford) which concentrates solely upon keyboards and amplification.

'Our group equipment side is going extremely well,' commented Managing Director Gene Ashworth. 'We also have a flourishing hire company and we have recently allocated an entire shipment of new organs into the hire.'

just for hire.'

'It's the red hot discount people who are going to suffer when things get hard. People understand that it's service over the years after the sale that counts and that's where we score. We have two excellent service engineers in John Bellamy and Malcolm Hall who ensure that every customer can rely on us.'

INSTRUMENT REVIEW

KAY ACCOUSTICS

COMPARED with what was around a few years ago, it's remarkable what a lot of instrument one can buy in the cheaper price range these days. Of course, in acoustics you wouldn't expect to buy the same quality in carefully selected, old seasoned wood and craftsmanship that you'd find in the professional instrument bracket. If you've got a limited budget though, you've a much better chance of picking up a reasonably brand new guitar in 1974 than you would have had a few years back.

Two jumbos from W.M.I. Ltd., the Kay K520 and KDG70 are both solidly constructed acoustics priced at £27.50 and £34.50 respectively, including VAT (cases are extra). They incorporate adjustable necks and have the traditional pin-type bridge, with the modern refinement of a saddle adjustable for height.

The bodies are shaped in the popular 'Dreadnought' style. The K520 is finished in red sunburst,

and the KDG70 in flat 'natural' with a black-painted head. Both have thick plastic screwed-on pick-guards with engraved flower designs, contrasting black-painted edging to the bodies, and two-piece backs. The back of the KDG70 is attractively finished to look like a three-piece one.

The guitarist who likes a chunky solid feel to the neck and a fairly close spacing to the strings will take to these instruments immediately, the string tension is neither too high or too low and the action is good considering the price.

A nice touch is provided by the rosewood fingerboard. The frets are smoothly finished and the imitation mother-of-pearl position dots are inlaid and not stuck-on, as sometimes found on inexpensive guitars.

Both have a fair amount of volume and sustain, but the more expensive model, fitted with better-quality strings, clearly has the better tone.

D.R.



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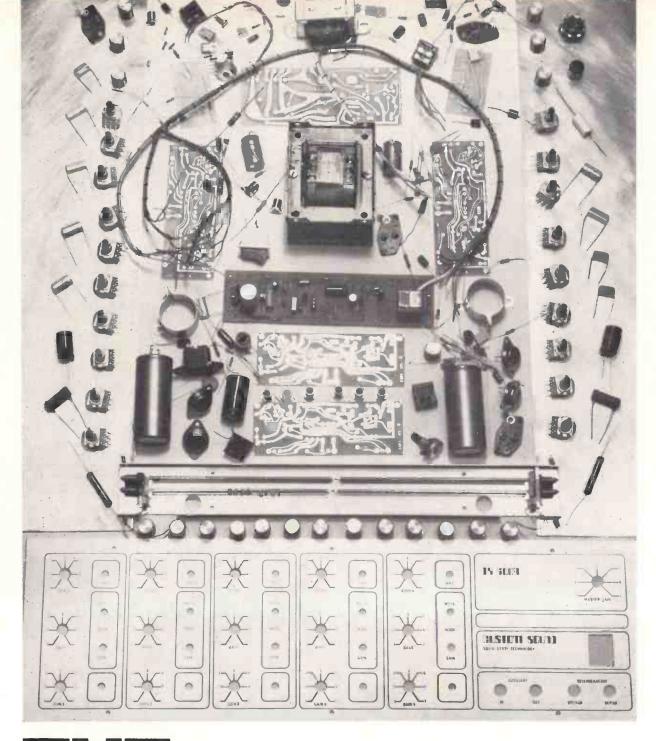


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sound that comes out which is why we've given you this opportunity to see 'The Inside Story'.

To hear it though, you'll have to go to your nearest dealer and then, perhaps, you'll realise why we've not attempted to describe the sound here.

You'll also have the benefit of seeing all the bits and pieces put together as well.

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JOHNNY BRISTOL: RESPECTED ALL-ROUNDER

WHEN you're hot, you're cool,' is a familiar hip black American saying and it certainly applies to Johnny Bristol.

With his own Hang On In There Baby making plenty of fire in the current British soul explosion and with writer credits on the Osmonds' recent chart-topper Love Me For A Reason, Bristol is certainly hot and when Beat met him at a recent London reception in his honour he sure did come over as a pleasant, self-confident, ultra-cool man who knows exactly where he's going.

Though his name may be a new one to the mainstream of British pop fans, Bristol has had plenty of preparation for his sudden rush into the limelight and soul addicts will recognise him as one of the longest-serving and most respected writer/producers in the music business.

It was with Tamla Motown that Bristol forged his career, working with such stars as Gladys Knight and the Pips, Marvin Gaye, the Supremes and especially Junior Walker but now he's signed to Columbia as a producer and is doing his own thing as an artist via

MGM.

'Well, when I was with Motown I always had a yearning to get back into recording in my own right but they thought it would detract from my value to them as a producer so they never gave me the chance,' the tall, lithe, easy-mannered Detroiter told us.

It wasn't exactly easy-going when he left Motown either: 'I cut the album as a private project and offered it to Columbia but they didn't show that much interest and I finally ended up with MGM.'

PERFORMING

Bristol wasn't new to performing though: that's how he started out, way back in 1957 when he was serving in the US Air Force and formed a duet with one Jackie Beavers, who is still in the business and currently enjoying his own success as a solo artist in the States with Sound Stage Seven Records.

Born in Morganstown, North Carolina, Bristol had found himself stationed in Detroit where he and Beavers worked the local clubs and landed a recording deal with Harvey Fuqua and his wife Gwen Cordy who were running their own Tri-Phi label.

Eventually, the Fuqua's sold out to Gwen's brother Berry Gordy and they and their artists became pacted with Berry's rapidly expanding Tamla Motown organisation.

Johnny Bristol went with them, not as a performer, but to assist Fuqua in the Artist Development, working out stage routines and so on for the various Motown acts.

In 1964, Bristol got his chance to branch out into production, and while the Holland/Dozier/ Holland teaming won more recognition, Fuqua/Bristol had a more than healthy share of hits

Their first gold record came with Junior Walker and the All-Stars' How Sweet It Is, back in 1966, and several of the hits were songs he had earlier recorded with Jackie Beavers notably Do You See My Love For You Is Growing which had been Johnny and Jackie's first record and half-a-decade later became part of the Motown story via Junior Walker while the second Johnny and Jackie record had been Someday We'll Be Together which later became a smash for Diana Ross and the Supremes.

For six years, Fuqua/Bristol proved a winning combination: Edwin Starr's Twenty Five Miles, Stevie Wonder's Yester-Me, Yester-You, Yester-Day, Marvin Gaye and Tammi Terrell's Ain't No Mountain High Enough, the Four Tops' What Is A Man and virtually every Junior Walker hit bore their production credit.

'I particularly enjoyed working with Junior Walker. We were both living in Battle Creek, Michigan, just outside Detroit and I always admired him both as an artist and a man.

'He's such a professional, and very genuine. He's a real family man and we were great friends.'

Gladys Knight and the Pips also hold a special place in his heart but like them he eventually yearned for new pastures outside of the by now greatly expanded Motown empire and the move of the company from Detroit to Los Angeles plus contract-renewal time saw him ready to split.

'I'm still on good terms with everyone there but I felt I needed greater freedom – and a better deal too!' he added with a grin, 'But I know I could go back to the company any time I want.'

Bearing in mind his impressive track record, it was no surprise that Columbia quickly snapped him up and put him to work on their expanding roster of soul artists.

One of his first production efforts for them was with O. C. Smith's La La Peace Song and, ironically enough, they have now re-released that to compete with the current version, also produced by Bristol, which is sung by Al Wilson.

Both records are now in the US charts!: 'Well, I find it hard to say which version I prefer, I think they are both good and though O. C. missed out first time around his original is now happening, so is Al's reading of it,' said Bristol.

The Wilson record is on Rocky Road, a Bell distributed label and Bristol explained: 'My deal with Columbia allows me to produce a certain amount of records for other labels each year — a freedom he certainly didn't enjoy while with Motown.

Another outside project was a very fine but relatively unsuccessful album with Jerry Butler for Mercury Records: 'I guess they just didn't put the right kind of promotion behind it though.' he said.

PROUD

At Columbia he is rightly proud of a recent collaboration with Johnny Mathis who has been slowly edging over into the soul field of late, especially since his work with Kenny Gamble and Leon Huff in Philadelphia.

'He's a fantastic artist. It was a great treat working with him and people have been surprised at the versatility we've put into the album.'

Buddy Miles too, has been recording with Bristol: 'He's best known in the rock world but with We've Got Love he's moved more into a soul vein and I think it's worked well.

'I think it's what he needs. You can start off R & B and cross over into the pop charts, but it's very hard to go the other way.'

Perhaps his pet project though is with the Jackson Sisters: 'They are the most fantastic act you could want to see. They are young kids, aged 13 to 19.

'They aren't related to the Jackson Five but as girls they are equally as talented and are going to be very big before long.'

All this activity didn't stop Bristol working on his own album, orginally scheduled to be titled Woman, Woman but changed to Hang On In There Baby following the success of the single.

Naturally, Bristol penned all his own material though on one

track, Memories Don't Leave Like People Do, he had the assistance of old friend Jerry Butler, the song actually dating back to that Butler album collaboration.

Was he worried at the prospect of having to get back into doing live gigs in his own right: 'Not at all, in fact I'm really looking forward to it.

'I'm always happy being a producer, I think that's really where it's at but I don't think it would be fair to the people who have been buying my records if I didn't give them the chance to see me perform on stage.

'Naturally, I'll have to work it all in with my production commitments, but it's going to be a lot of fun for me.'

Of course, Bristol is just one of many top soul producers who have moved over into performing.

Isaac Hayes has been one of the most successful and Barry White – currently among the hottest soul acts – is another and is said to have based his style on Hayes' work while many say they detect hints of Barry White in Bristol's own records.

'Yeh, well that's true, of course they've been influences, but the man who really deserves credit for starting that whole smooth, sensuous, sophisticated style is Harvey Fuqua, from back in his days when he led the Moonglows.

'Naturally, since I worked so long with him, Harvey is really my strongest influence.'

Bristol feels the producerturned-singer syndrome is only just beginning. He reckons many more producers could make the grade: 'Frank Wilson of Motown for instance, he can really sing his backside off while H. B. Barnum who arranged my album is a truly great singer who used to record for RCA.'

RESPECT

Bristol harbours great respect for his fellow producers: 'Guys like Stevie Wonder, Norman Whitfield, Gamble and Huff, Thom Bell, Bill Withers and Harvey Fuqua have really advanced the music enormously.

'Those who have got any kind of voice can make it as artists too, because they can really envisage a song in its finished state right from the start of a recording session, they've got the musical ear for it, they know exactly what the public wants and they can provide it.'

Bristol sees production as the ultimate in the record business: 'That's real creativity. You aren't just harnessing your own talents but bringing out those of other people to produce something

which is part of everyone concerned. As a producer you are the catalyst for everything else that is going on in the studio, you're the guy who pulls it all together and either makes a hit or a flop.'

FUTURE

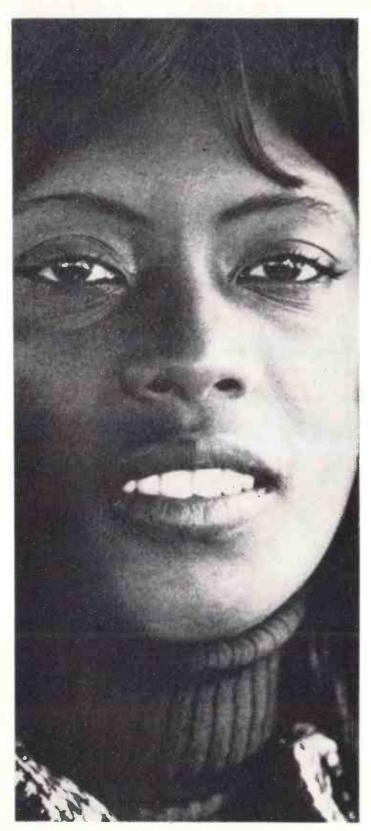
It's certain that Bristol's future as a producer and songwriter is assured. After all, he's been consistently turning out both chart hits and classic soul records for well over a decade.

Judging from Hang On In There Baby he seems destined to hang on in there for quite a long while as a major recording artist too, especially since the predominant trend in soul music today is towards singers of maturity and experience, as is underlined by the success of Bobby Bland, Don Covay, Wilson Pickett, Isaac Hayes, Barry White, Marvin Gaye and other veterans.





ANN PEEBLES



N THE opening night of her first ever gig in Europe, Ann Peebles was very, very lucky. Lucky that, with all the misfortunes piled up against her, her bad throat, the scratch band who were playing in place of her regular musicians, the strange acoustics of Biba's Rainbow Room which must be one of the hardest venues in which to obtain a perfect sound balance, she still managed to win the night and earn a rapturous reception from her first British audience.

She seemed nervous. She also came over as totally disconnected from the band. It was as if two different things were happening on stage at the same time, a rather hesitant session band who were playing safe rather than funky, and Ann's dynamic act out front, where she leapt up and down in her bright, glittery outfit against a backcloth of unmoving musicians

I couldn't make it out. Never having seen a gig of Ann's before, it just didn't figure that they could be her regular band. The following afternoon she was sitting amongst the empty acres of a vast hotel lounge with producer Willie Mitchell and his wife, looking out at a sheet of grey drizzle hanging over a drab Fulham street. The ginger afro she now sports makes her face look thinner, younger, more vulnerable than her publicity photos. In her slow, lilting St. Louis drawl, she defended her temporary band with great loyalty.

'For two rehearsals, I think they really did great. As I'd never been over here before, I didn't know any musicians and had to rely on the company to find some for me. By the time we've done a couple more gigs on this tour, they'll have really got into it.'

So there she is on her first European tour, taking a bunch of people who are totally unfamiliar with her music along with her, while her regular band of the last four years have been forced to stay behind.

'It's so hard for an artist to bring a band over here,' she said, regretfully. The union are so strict about things like that.' Didn't she feel that the situation was pretty unfair on her? 'You can't do anything about it, you just have to accept it. You say, "I'm going to do my thing regardless of the band".'

Ann's driving force seems to be her willpower, born out of her overpowering love for music. There's nothing ruthless in it. She's a kind, friendly, philosophical lady who wouldn't harm a fly but who is nevertheless singleminded in her determination to let nothing, not even her own tiredness or the streaming cold she had then, stand between her and her musical life.

Of the four albums she has made, only two have so far been released over here, Straight From The Heart and one that really established her outside her own country, I Can't Stand The Rain. The praise showered on her by people like John Lennon, Syreeta Wright, Ringo Starr and Freda Payne, must have tempted quite a few people who hadn't heard of her before to discover her for themselves.

Quite objectively, it was just as much the arrangement of *I Can't Stand The Rain* which made it outstanding, as the song itself. That odd percussive effect at the beginning, which sounded more like hailstones on the woodpile than raindrops on the window, instantly arrested the attention, supplying all the rhythm necessary for Ann's unusual voice to come in, with that strange break into falsetto on the word 'rain'. It is easy to see how Freda Payne described her as, 'one of the most haunting singers on the music scene today'.

She has a wide vocal range, husky in tone, but capable of driving a hard edge when necessary. Like many people from the legendary St. Louis area, she comes from a musical family, one of eleven children, all of whom are in The Peebles Choir, led by Ann's father. 'My family are very proud of me. The choir has been handed down from generation to generation. Some of my family sing, others play piano or organ or direct. My father always hoped one of his children would get out and do something to be proud of, so when / did, he was overwhelmed.'

It was the famed producer, Willie Mitchell, who first discovered her quite by accident, when she paid a social visit to a night club.

'I wasn't a solo singer then, as I'd sung gospel songs in my father's choir since I was seven years old. When I graduated from school they took me to Memphis to celebrate so we went to a club and I wanted to sing with the band. They let me sit in and Willie was there and liked what he heard and started talking to me about signing a contract.

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This unit provides many of the lighting effects and colour changes often required by the professional entertainer and D.J., often supplementing the systems in use in the clubs or theatres. Four independent faders enable colour control of up to 1000 watts per channel with great accuracy.

Any or all channels can be selected to provide a pulse effect which is variable according to the setting required by adjusting the pulse speed slider.

The unit can be used as a pure dimmer control with a degree of pre-heat supplied to the filaments of the lamps on each channel.

By selecting the sequential button, the four channels are switched in sequence at the speed required. If conventional music/sequential is required, a connection to the output of an amplifier enables synchronized operation. Profile spot selection can be operated by a rocker switch on the facia panel.

Finished in black with an engraved control panel, the unit is fitted with five 13A outlets and two multi-way connections suitable for use with conventional lighting racks or boxes.



A growing name in Lighting Control

SOUND ADVICE INSTALLATIONS CO. LTD.,

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ANN PEEBLES

continued from page forty two

'It took me about three days to make my mind up because I had never really thought about doing anything like that and it meant leaving the family choir. But I went on and did it, though it was a bit hard at first.'

Sounds like a fairy-tale success story but my guess is that with that individual voice, coupled with her writing talents, Ann would sooner or later have felt restricted within the confines of the gospel choir and would have sought some further outlet.

Her marriage to Don Bryant, a musician who had worked with Willie Mitchell and Hi Records for some time, has been a major influence on her career not only from the point of view of their working together but from the sheer confidence that his belief in her career has given her.

'He gives me so much encouragement. Getting married has given me more confidence — it's even improved the range of my voice. If a number isn't working out right he'll just sit down and listen to it and we'll work it out again together. This kind of togetherness is the most important thing in the world two people can have together. If you don't have it, forget it.'

They are obviously very much in love and she was upset that she had to make this European trip without him. When Ann gigs in the States, he comes out on stage and does a couple of numbers before she comes on. He even designs and makes all her stage clothes.

Her favourite self-composition is a song she wrote for him, called *Until You Came Into My Life.* 'It's on the new album. Don and I have only been married a year and two months and I wrote the song about him. In fact, he and I wrote most of the songs on the new album. He's a great singer as well.'

When Ann first began her solo career she never thought of writing her own material. 'I was trying to get myself into that bag of singing rhythm and blues. It's quite easy to adapt to that from gospel. The hardest thing is getting into pop because you have to phrase differently.'

She reckons that *I Can't Stand The Rain*, which has sold over half-a-million to date, was her first song that 'crossed over' to pop. 'I never get fed up with that song. I think it will be a record that will linger on and on for a long time. Generally I write a song from a mood, put a story to an idea.

'That's how I Can't Stand The Rain happened. It was raining very hard and we were getting ready to go to this big show and it was thundering, everything. So we decided not to go and I got really mad because I'd been looking forward to it so much and I said, 'Oh, I can't stand this rain, and my husband said, "what a great title". So we sat down and wrote the story.'

Ann plays piano and bass, but doesn't reckon she'll ever play an instrument on stage. She likes moving round and thinks if she had to concentrate on playing and singing at the same time, something would be bound to suffer. However, she does have one big ambition — to produce. 'Willie's teaching me a lot about studio and production techniques, but I won't do anything for a while. Right now I'm learning and eventually I'd like to produce other people as well as myself.'

With a new album due out on the first of January, cover versions of her songs recorded by such people as Humble Pie, Aretha Franklin and Bette Midler, more and more people outside the US catching onto her music and her obviously happy marriage, Ann Peebles has everything to look forward to. Does she foresee the time coming when she, like so many before her, will retire from live gigging, with the compromise of one benefit concert a year?

'Oh no. I enjoy it all too much, singing, writing and doing live gigs. Right now I'm touring about three weeks out of each month and when I get a little time I'm in the studio finishing things off. I love being on stage, doing my thing. I think my music is a mixture of R & B, pop and gospel. Gospel's my favourite. I get such a thrill out of singing it that I can put into it even more than I thought I had to give. People like Mahalia Jackson, she's one of my idols, dedicated their whole life to music and I know that I will dedicate my life to it, too.

'If something is your whole life, you can't say, "I'll give it so much time to see if I can make it". I've seen a lot of people fall by the wayside because, if they haven't made it inside a couple of years, it's just blown their minds. If you don't have a strong will, you'll never make it in this sort of business."



ED EQUIPMENT MA

TAPE MACHINES

Scully 4-track recording machine – fittle used (less than 350 hours), reason for selling, now 8-track. A gift at £1,950. Radio Worcester Productions, Russell & Dorrell, High Street, Worcester. Telephone: Worcester 20279 and 21112.

EMI BTR4 Consol tape machine, mono, 7½/15 i.p.s., £350; EMI BTR2 Consol tape machine, mono, 7½/15 i.p.s., £120; Studer A80 ½" 4-track headblock and fittings (as new), £450; B.A.S.F. 9201 mono caseette recorder (never used), £40. Grosvenor Recording Studios, 16 Grosvenor Recording Studios, 16 Grosvenor Road, Handswood Wood, Birmingham B20 3NP. Telephone: 021-356 9636.

EMI 7½/15 i.p.s. full track tape machine TR51A, £25. Cnunty Re-cording Service, London Road, Bin-field, Bracknell, Berks., RG12 5BS. Telephone: 0344-4935.

Two Data 4-track $\frac{1}{4}$ " tape machines, need circuit modification, £75 each. Mr. Mann, Mushroom Studios. 18 West Mall, Clifton, Bristol BS8 4BQ. Telephone: 0272-35994.

MIXING CONSOLES

MIXING CONSOLES
Audio Developments mixer, 8 in, 4 out, plus stereo compressors/limiters, only £950. Control box, reverbunit etc. Radio Worcester Productions, Russell & Dorrell, High Street, Worcester. Telephone: Worcester 20279 & 21112.

Two 4-channel Vortexion mixers, £25 each. County Recording Service. London Road, Binfield, Bracknell, Berks., RG12 5BS. Telephone: 0344-Service. 4935

MISC. ELECTRONIC EQUIPMENT

Ten Alice plug-in microphone modules and power supply, in rack with teak surround, brand new £220. Mr. Mann. Mushroom Studios, 18 West Mall, Clifton, Bristol BS8

Six Dolby 360 units, new, £200 each, o.n.o. Keith Allen, Orange Recording Studios Ltd., 3-4 New Compton Street, London WG2.

Mini equipment racks, new (2), £20 each, Grampian disc cutting amp and e.q., 150 watts, £110; equipment cabinets (tape machines), offers; miscellaneous workshop equipment, offers; BBC type D disc cutter machine: bits for convection, £90. Grosvenor Recording Studios, 16 Grosvenor Road. Handswood Wood, Birmingham B20 3NP. Telephone: 021-356 9636.

FILM EQUIPMENT

Rank Kallee 35mm record/replay magnetic film cabinet (model 1500), excellent condition, £300; Ross projector parts 35mm misc., including RCA sound head (opt. and mag.) top and bottom spool boxes amplifiers, stand etc., £100. Grosvenor Recording Studios, 16 Grosvenor Road, Handswood Wood, Birmingham B20 3NP. Telephone: 021-356 9636. Reco. Road, Ha m B20

LOUDSPEAKERS

One Westrex acoustilens monitor speaker, £100; PR K.M.A.L. Medium sized speakers, £70. Grosvenor Recording Studios, 16 Grosvenor Road Handswood Wood, Birmingham B20 3NP. Telephone: 021-356 9636.

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eight inputs, four channels, pair of
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Original Vox AC30 2 x 12 combo amp, fair condition for age but needs recovering, £65 o.n.o., Reslo ribbon mike and stand, £15, JEN volume foot pedal £5, old Watkins Copicat echo unit £25, or £100 the lot. Telephone: 713-0012 after 6 p.m.

DRUMS

Camco Astro four-drum outfit in moss green stain finish. Stands, Avedis and Raiste cymbals, cases. Little used, £225 o.v.n.o. Ring Paul, Fleetwood (039-17) 0091.

Hayman Showman drum kit. 22" bass drum, five drums altogether with stool stands, cymbals, fibre cases and accessories. One year old only, in excellent condition. Reason for sale — owner emigrating. Tel: for sale -

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Original gold-top Gibson Les Paul in magnificent condition in plush-lined fitted case. A collectors item and investment. Serious enquiries only – no time wasters please. Tel: 313 8042 after 7 or Sats and Sundays. days

Fender Stratocaster, pre-CBS, maple neck, sunburst, hard case, as new, £350. Tel: 01-570 9222.

Harmony Sovereign Jumbo acoustic, fair condition, mellow tone, with case, £55, 709 2176.

KEYBOARDS

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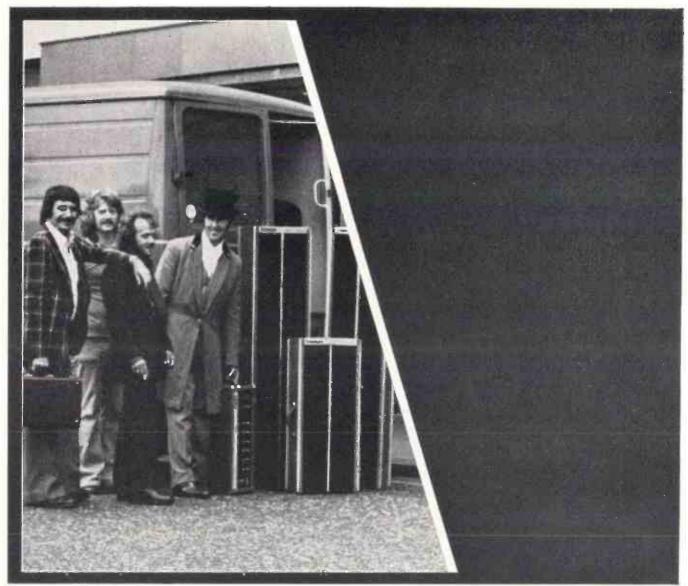
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Kenny Ball with arm on shoulder of soundman Pickstock outside London Hilton.

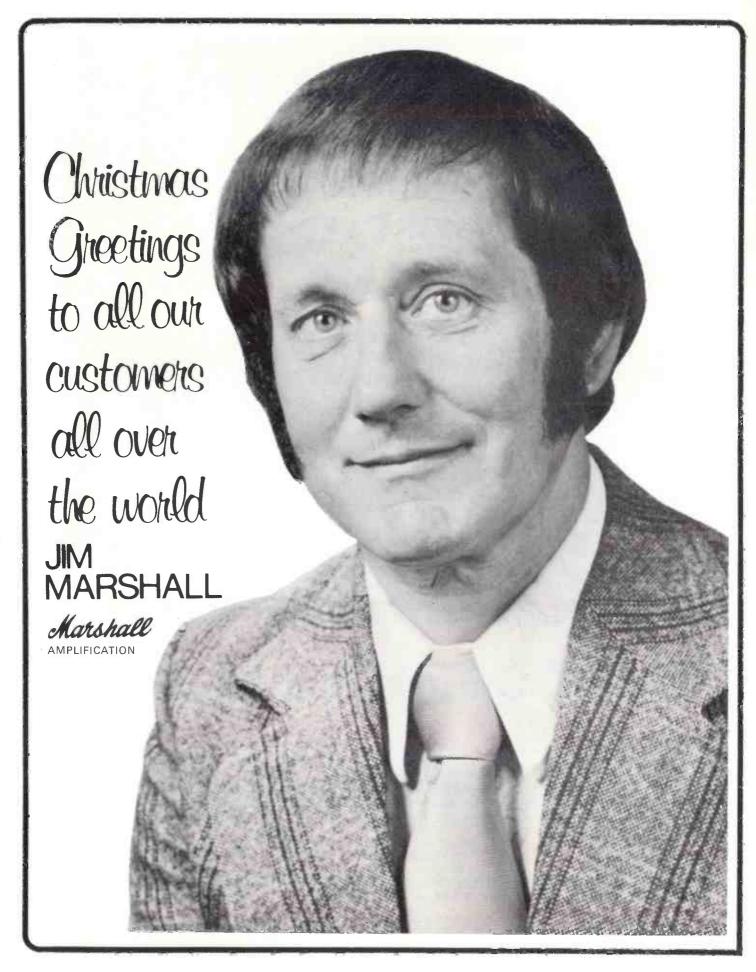
The 151,000 mile sound system.



Working with a band that's constantly on the road can give any soundman headaches, so imagine the difficulties facing lan Pickstock, sound technician for Kenny Ball and His Jazz Men. As the United Kingdom's most widely travelled jazz band, the group wore out its first sophisticated equipment van after 86,000 tortuous miles. But despite the rigors of countless one night stands, lan's Vocal Master Sound System is still producing true-to-life sound after 151,000 miles on the road! When asked about the Vocal Master's instant adaptability, lan says, "This system makes an expert out of me—whatever the size and shape of the hall."

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THE

Marshall

(it's all in the sound)

JIM MARSHALL is a shrewd, lucky man. He was in the right place at the right time and he was clever enough to realise it.

Marshall is perhaps the most famous name in amplification in the world. Jimi Hendrix cracked the nut, and took Marshall before the world. Now the amps are meticulously manufactured in two large factories in Bletchley, Buckinghamshire and the retiring Jim Marshall spends his days overseeing production and development of the gear that bears his name.

Now Marshall are taking the biggest step forward in their career since they began. A new range of transistor amps are to be launched and on their sound and reliability the future of Marshall rests.

The Marshall story began six or seven years before Mitch Mitchell introduced Jimi Hendrix to Jim Marshall. But it really began in 1937 when Jim Marshall became a vocalist at the Locarno Ballroom, Southall. The drummer in the band got called up at the outbreak of war and Jim took over. From there on in, he was a drummer.

Jim continued his drumming career until the early fifties when he opened a drum shop in Hanwell and started taking pupils.

'I was originally taught by Max Abrahams, Max is the greatest, and eventually I wound up with the largest drum school in Europe.'

Drummers tended to bring their bands and groups along with them when they went shopping and eventually the groups talked Jim into stocking other sorts of instruments. This was in the very late fifties.

STOCK

'When I agreed I asked them what I should stock. They said Fenders and Gibsons, I didn't know any better so that's what I

stocked. I remember the boys in the West End gave me six months.'

But because of the trade Jim had built up with drummers from all over London, business started to boom and when amp repairs were needed he called in an electronics engineer, Ken Bran.

COMPLAINING

By 1960 Jim Marshall had lived with complaining bass players for too long. It seemed that there wasn't a speaker cabinet capable of withstanding the frequencies bass players were feeding in, so Jim decided to put some very heavy duty units into some small enclosures. These cabinets were the very first Marshall product and Jim believes that he was the first person to produce a speaker cabinet especially for bass guitar.

In his youth Jim had trained as a tool-maker and he turned his metalworking knowledge to wood work applications building the cabinets in the garage at his house – 'At least until the neighbours complained. Then we moved into premises behind my shop'.

As might be imagined the speaker cabinets were a great success and the bands then started asking for an amplifier. Jim now turned to his repair man and said, 'let's do an amplifier'.

Ken Bran: 'I kept producing amps that Jim turned down. He said he wanted a particular sound and I kept producing amps until he said, O.K., that's the one'.

Just to get the reaction of the bands, Jim stuck the amp — in chassis form — in the shop and invited the bands to try it. Within a week he had 50 orders.

'The reaction was just fantastic,' said Jim, 'Bands were ordering them as fast as they tried them. I owe a lot to the advice that the groups gave me in the early days.

Continued on page 51



Left to right: Ken Bran, Jim Marshall



The old and the new: New amp, left



Our drums will take a lot of stick

Most kits you can buy today are well made. They'll produce good sounds but usually only at a price. The price you pay may be in money (some cost twice as much as a Shaftesbury kit) or it might be in problems getting spares and repairs.

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Continued from page 49

'There was a rep who was working for Vox at that time and he came into the shop and heard the amp. He then started selling my stuff unofficially!

'The amp everybody wanted in those days was a Fender, and when I asked the bands the sound they wanted they said it had to be a bit more dirty. That's how the Marshall sound was born.'

Ken Bran started to produce the amps in the garage at the back of the shop. In an eight-hour day he could produce exactly one amp. Needless to say, he was soon flooded with orders he just couldn't cope with. Today he's production chief at Bletchley.

From the very start Marshall amps were sold before they were built. It's been that way ever since.

'I remember that we had four moves in two years,' said Jim. 'We just kept growing out of space. After the shop we took premises in Ealing, then premises in Southall and then we moved to Haves.

'During this time we were building up relationships with some very successful groups. The Who asked us to build some speaker cabinets especially for them. We came up with the 8 x 12 which had a great sound but it was far too much for the road managers to handle. They brought

me the problem back. I put the cabinet on the saw and presented them with two 4 x 12s, the top cabinet with the sloping front and that's the first time that any group started to use stacks.

'Our most popular unit has undoubtedly been the 100 watt amp followed closely by the 4 x 12 cabinet. They've been steady sellers over the years.'

HECTIC

It was shortly after this hectic development period that one of Jims' drum pupils John Mitchell — later to be known as Mitch Mitchell — brought along a guy called Jimi Hendrix to be introduced to Jim Marshall.

'Jimi told me how much he liked the gear and how much he would like a set-up. I'm afraid I immediately thought "Here's another one trying to get me to give away some gear", because we've never, ever given away a single item of equipment, but he must have read my thought's because he said, "I want to pay full price for all the equipment I buy, but I expect service instantly wherever I am in the world", and that's the way it was.

'Jimi was a fantastic customer of ours. In the end he had dozens of Marshall set-ups because he didn't ship them about with him. He had set-ups in Germany, U.S.A., Scandinavia and the Far East and we certainly looked after them for him.'

During the period all this Marshall activity was taking place among the bands, Jim was furthering the Marshall name in the trade.

'It was during the 1964 trade show that I met Morris Wolf of Rose-Morris. He offered to do the wholesale distribution. Lots of people had offered before, but it finally came down to a straight choice between Rosetti and Rose-Morris. Morris Wolf impressed me so much that we did the deal.'

Like all rapidly expanding business there had to come a time when money was needed for expansion.

'That was a very funny period,' laughed Jim. 'I can remember going along to see the bank manager and telling him all about the business and how well it was doing. In the end he offered me £1,000 which was absolutely ludicrous. I told him to keep it and we never borrowed any money and we have never borrowed any money since.'

MOVED

The Marshall operation decentralised in 1966 when the factory moved to Bletchley into premises on the industrial estate. Within two years the firm had grown out of the 6,000 square feet and Jim was building a new factory nearby. Today Jim has two factories, one of 15,000 square feet and the other of 12,000 square feet and it won't be long before space is in short supply again.

Things mushroomed in 1967 when the North American market opened up to Marshall. The Gulf-Western company, Unicord, undertake all North American distribution and the Marshall story has been repeated very successfully on that side of the Atlantic. Today over a third of all output is destined for the North American market.

Export is now the name of the game. Recently 87-90 per cent of Marshall product has gone overseas, 'but this will be slightly less when the economic climate improves'.

The hopes and fears of the Marshall empire lay in the transistor amp. 'We've been working on these amps for eight years. There were two main problems. The sound and reliability. The development department kept coming up with amps that didn't sound quite right and I was determined not to launch until it was right.

'We could have come out with a solid-state amp and a long time ago – a lot of other people did – but at least we know we've got the Marshall sound now.'

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-149 dbm. Hum Pickup Level: 5 H V/S $\frac{1}{9} \text{ H Tesla}$ (50 Hz). Polar Pattern: Hypercardioid. Output Impedance: 200 Ω . Load Impedance: 1000Ω . Connections: M 201 N (C) = Cannon XLR-3-50 T or Switchcraft: 2+3 = 200 Ω , 1 = ground. M 201 N = 3-pin DIN plug T 3262: 1+3 = 200 Ω . 2 = ground. M 201 N (6) = 6 pin

Dimensions: length 6", shaft Ø 0,95". Weight: 8,60 oz.



DYNAMIC



BEYER DYNAMIC (GB) LIMITED

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NEVITABLY, time catches up on all people and now in the mid-70s come a crop of recording artists with profound admiration for the four Beatles.

Two such admirers of Beatle music were from South Shields, Billy Elliott and Bobby Purvis. This, became a matter of some commitment, it mattered what the Liverpool four did and the admiration continued when John, Paul, George and Ringo went their separate ways.

To their amazement the duo have found themselves, 11 years after first scampering down to the record store, actually involved in the continuing Beatle personnel story. Their album debut has been guided by a producer called George Harrison, they find themselves signed with a new label owned by GH himself, Dark Horse. Their name is Splinter.

There is no story behind the name, no artificially created yarns about trees and wood piles and nor do they in conversation come out with weak jokes, like saying they are George's, 'dark horses'.

What is interesting is how they came into contact with the rock maestro himself. The famous Big Mal Evans of Liverpool pop history was involved with George in making a film called, Little Malcolm And His Struggle Against The Eunuchs. George wanted a group for a film song, the belief being a hit song would draw attention to the film.

George found himself so involved with this duo that the obvious recourse was one of saying he would produce an album for them and they could

splinter—georgie band



Billy Elliott, Bobby Purvis

be on his A&M distributed label, Dark Horse.

Even now with a single and album on the market the Newcastle area duo find things slightly hard to believe yet the story has already run its chapter for one year. It began the moment they first thought of recording and led to eventually doing so at George's own studios.

Billy put it this way, 'We were standing one morning in a tube station. We had come down on the early morning train, had breakfast like, played cards and hadn't felt anything very special. Then in the tube station we saw this massive poster and thought the group on it called Splinter or something sounded interesting.

'Then we looked at each other, burst out laughing, slapped each other on the back. It was us! We just could not believe it, like when we adorned the front pages of a national pop paper. We kept looking at the page, all day long.'

Bobby and Billy had been around the Newcastle music scene for some five years and in fact, Bobby sang on the Lennon produced disc, God Save Oz, a record which concerned itself with the Oz magazine trial.

Their musical fare was not in the Lindisfarne tradition, in fact the two, now aged 24, had sung together from the age of 16, when they went to the same school. This first album of theirs has a rather splendid musical team, names like Billy Preston, Alvin Lee, Klaus Voorman, Gary Wright and one Harry Georgeson laying down some attractive sound behind the crisp, clear vocals of the Splinter duo. The two found such company rather startling but obviously found things to do other than just ogle. Alvin made the most impression upon them and out of the list, only Preston did not record at George's studio.

The studio 16-track is situated in the basement of George's Henley house. Do you know, George got a buzz out of doing the whole thing, we really believe that.

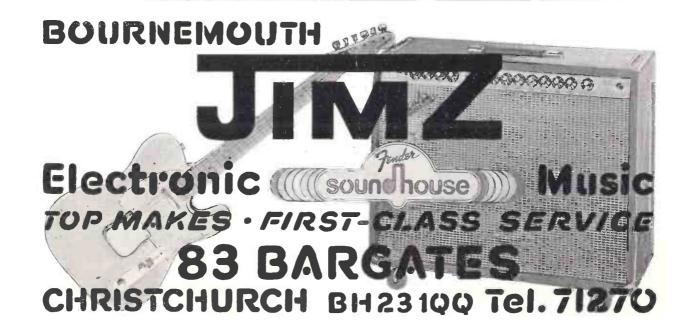
'He had to be totally happy with everything, otherwise, it was all re-done. That studio though is a great one, there is a tremendous atmosphere, it's so well laid out.

'The album took three months, that's our part but the whole thing was around nine. We would work for two weeks and then lay-off and then come back for six.'

'There will always be those ready to say that it's George's disc but I think on listening, this is unfounded, though, of course, you can pick up at points George's lovely slide guitar.

'There is a definite personal feel on the disc, a good spirit throughout, nothing forced, we were happy, more than happy.'

TONY JASPER











DYNAMIC MICROPHONES ARE BEST

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KTM-2 £10.45

Directional cardioid pattern pick-up. This type of pattern is especially useful when the performer must stand directly in front of speaker system as it will eliminate up to 80% of the background noise while accepting all frontal sounds. The directional characteristics make it easy to aim the KTM-2. This feature is extremely helpful in multi-mike installations and also to avoid pickup of unwanted outside noise. Dual impedance allows use with a wide variety of sound amplifiers or with long cords. Sphere-shaped head for natural voice sound. Builtin wind and 'pop' screen.

SPECIFICATIONS

Impedance:

High 50K ohms/Low 600 ohms

Sensitivity:

-57 dB/1,000 cps

Dimensions:

Frequency Response: 100-10,000 cps

52 dia. x 230 (mm) 2 dia. x 9 (inches)

Weight:

510 grams/1 lb. 2 oz.

Complete with 20-foot fully shielded connecting cord which ensures clean, crisp sound by eliminating all unwanted signals from lighting fixtures, outside transmitters, etc. Also includes a quick-release holder for use with any standard microphone stand.



KTM-4

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Uni-directional, cardioid-shaped pattern. Reduces feed back problems. A high quality, professional micro-phone suitable for studio, stage, TV and radio applications. Dual impedance for use with all types of tape recorders or with extra long connecting cords. Directional qualities make the KTM-4 ideal for multi-mike set-ups. Built-in wind screen. Bottom vents in head give smooth, rich sound to all voices. The KTM-4 is especially suited for male vocal and 'heavy' sound groups.

SPECIFICATIONS

Impedance:

High 50K ohms/Low

600 ohms

Sensitivity: Dimensions: -57 dB/1,000 cps 44 dia, x 200 mm

Weight:

1.7 dia. x 7.8 inches 510 grams/1 lb. 2 oz.

GUARANTEE

Kay microphones are quaranteed against manufacturing defects for one year from date of purchase.

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waiting in the wings

Photos: Left, Geoff Britten . . . Right, Jimmy McCulloch

WINGS have reformed at last. After months of rumours and speculation, Henry McCulloch and Denny Sewell left the band on a more or less amicable basis earlier in the year.

Their departure, however, was not nearly as interesting as rumour held the reasons to be. These reasons were, variously, that someone was drinking too much, that someone else resented Linda's musical accomplishments, and, most of all, that the financial arrangements were less than satisfactory to Sewell and McCulloch, who were being paid a glorified form of session fees.

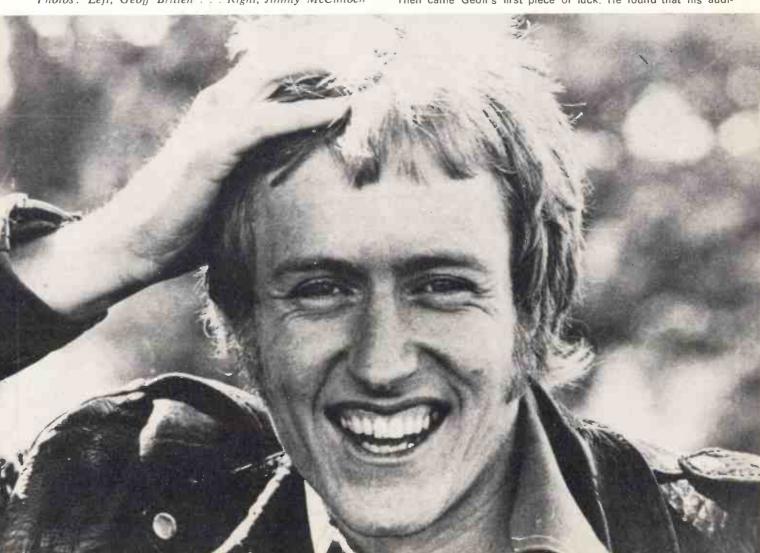
Very few bands at Wings' level break up without a bit of bother, but the dust seems to have settled now, and with the addition of drummer Geoff Britten and guitarist Jimmy McCulloch,

Wings are once again of a piece.

But what a piece! Paul McCartney couldn't have chosen two people less similar if he'd tried. In fact, everything about Geoff and Jimmy suggests that McCartney has quite definite ideas about Wings, concerning their longevity, their relationships to each other and to him, and the future of the name Wings, if not the band behind it. Geoff Britten is Wings' new drummer. Before that, he was behind the Wild Angels' drum kit, and before that East of Eden. It was a fairly good apprenticeship, and it produced a good craftsman.

Getting into Wings was equally taxing for Geoff. He studies karate, and the first wind of a vacancy came from a fellow pupil, Fleetwood Mac's manager, Cliff Davis. 'When I heard that there was a chance, I thought, "Why not?". I didn't have anything to lose, so I rang up Wings' publicist Tony Brainsby. He got things moving, and it ended up in an audition at a theatre in the West End'.

Then came Geoff's first piece of luck. He found that his audi-



tion was the first after dinner. Since he had turned up early, he spent a valuable hour adjusting the drum kit and practising on it.

When they came back from dinner, Geoff was ready to jam with them. 'I was surprised to find that they had hired session musicians for the audition. Paul and the rest of the band were in the audience.' Listening. They thanked Geoff, or rather the stage manager did, and told him that he might be hearing from them. 'The first audition had been fairly brief and very varied. There were five or six numbers, some jazz, some rock and a couple of Wings' standards.

'I thought that I had done well, but I wasn't too excited then.' In a couple of days, someone did ring Geoff. 'They told me they were quite interested, and that I was one of five chosen for a second audition.' This second crack meant that Geoff's chances had leapt upwards. Predictably, so had his hopes and fears.

ALL MORNING AUDITION

He was to report to the Carousel Club in Camden Town, and the audition would last all morning. 'Everyone would be getting half a day with the band.' His half a day gone, Geoff retreated with the attitude, 'Well, at least I've had a good run.' But the running wasn't quite finished.

Time passed, and eventually the phone rang again. 'They told me that they were very, very pleased this time, and that they wanted me back. Me and another bloke.' It was pins and needles time, especially after Geoff recognised the competition. 'I thought, Christ, this guy's a fuckin' good drummer!'

chat with the band, and an astonishing variety of numbers. 'We were playing rock, country and western, and some old Duke Ellington numbers as well.'

Finally, Wings decided that the talent was there, the chemistry was right, and that Geoff was the right man for the job. He wasn't the best known of the contenders, but he was finally chosen.

'I was just going out for a run with my boxer dog, and the phone rang. It was Paul, telling me the job was mine.'

Geoff can't remember if he went out for his run afterwards, but he reckons he probably did.

Don't mistake me, getting in Wings is a source of joy for Geoff. No doubt about it.

'Being in Wings is like stepping into a band that's in world terms. There's your Led Zepplins, your Stones, and Wings is in that class.'

It means a lot to Geoff, this gig. It means, as he says, 'A chance to see the world, to be a famous face, to make a lot of dough', but more important to him, it means a chance to continue and expand the pursuit of his personal happiness. Geoff is very keen on physical fitness. He holds a black belt in karate and-teaches regularly. He works out as much as six times a week, with runs and exercises to keep him in tune. He doesn't smoke, drink or take any form of drug. Indeed, one of his personal interests is natural medicine.

Wings, he reckons, won't interfere with these interests. 'Even on tour, I get a certain amount of time to myself, and I should be able to squeeze in some work outs.' His aspirations in the world of music are nearly non-existent. He is the drummer for Wings in



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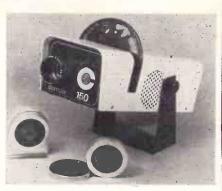
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SUMMERFIELD BROTHERS

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Continued from page 57

the sense that someone else is a machinist for Ford. The perks are enormous with Wings, but in the end it seems that it is merely a good job for Geoff. He'll be working hard to stay there, and he seems well aware of the fact that the music business can be pretty ruthless. If he's sacked with good reason, he'll accept that. The alternative, leaving to join someone else hasn't occurred to him.

But it definitely has occurred to his fellow freshman, Jimmy McCulloch. Jimmy played on Thunderclap Newman's giant single 'Something in the Air' when he was 15, he joined John Mayall for a while and replaced the late Les Harvey of Stone the Crows after his death.

At the age of 21, Jimmy McCulloch is, as he says 'A fuckin' good guitarist'. If you don't believe it, listen to Wings' single Junior's Farm. He is just that, and unlike many people his age, he has the confidence to accompany it.

Not surprisingly when Paul McCartney asked him to join Wings, his first question was 'What's in it for me?' He had worked on Linda's solo album at Paul's request, and after a while, well, 'I knew there wasn't any competition', he told me with a wicked

So, while working on the Mike McGear album which brother Paul produced, Jimmy was asked to join the band. He found out what was in it for him a little later, in Nashville where the single was recorded. 'We finally felt comfortable enough with each other to talk about the finances. In the old Wings, you got your pay cheque weekly whether you were working or not, but I didn't want that. There's no use hanging about - if I'm in a band I expect to contribute a hell of a lot, and I also expect to get a hell of a lot as well'. The result of all this, which everyone now agrees is an improvement, is a new financial structure. Not really new, because it's only what most bands usually have - an equal split. But it is new for Wings, and it should be a great deal healthier.

Jimmy has also demanded complete freedom of expression, the right to complain when things are going wrong. I'm pretty happy with things as they stand now', he told me. 'I think we all trust each other, our agreements are more on trust than legality, but by next spring, when we go on tour, they'll be legal as well'.

Geoff Britten



Jimmy's looking forward to quite a few things as well. There's the new album (which should contain one of his own songs), the world tour in April, which gives Jimmy a chance to play in front of a live audience. 'I love playing live, getting the feedback from an audience. Otherwise playing becomes too mechanical.'

As befits a guitarist in his own right, Jimmy also has a few things of his own to look forward to. He writes very un-Wingish material with the former Crow's drummer Colin Allen, and now he has enough for an album and a single, tentatively titled Too Many Miles and Medicine Jar respectively.

More than Wings, it is these projects which excite his imagination. He doesn't have a record label as yet. 'I want to wait until I get a bit more publicity from Wings, when my name and face are a bit more familiar.'

Jimmy sees Wings as a phase, another band to which he happily belongs. He quit John Mayall four years ago because he didn't have enough time of his own, and one wonders if, should Wings cramp his style, whether he would hang around for long.

After all this, you have to wonder what McCartney has let himself in for. Geoff Britten isn't dead keen on contributing much to Wings beyond what he has in his many auditions - damn good drumming and a pleasant face and personality.

WINGS IS A PHASE

Jimmy McCulloch will be contributing something more, as befits an ace guitarist, but not for too long.

It might just be that Paul McCartney, like so many giant talents, has decided that he and Linda will always be Wings, and after that, what members comprise the band's fuselage really doesn't matter.

He shouldn't be too short of applicants if someone leaves, and in a way, the shorter the average length of service, the less dependent Paul will be on his boys. So you can expect Wings, now and forever, to reflect McCartney's ideas, with a few concessions to people of Jimmy McCulloch's calibre.

Such are the demands and ways of an established genius.

CARROLL MOORE





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With the coming of the 4 KHZ Horn the Power Loudspeaker Range is now 5 nucleus strong. This Horn, the outcome of nine months research, is the latest concept in the continuing development of the Great Sound Range.

The 4 KHZ Horn is designed for use with the Vitavox S3 Pressure Unit for wide dispersion of the upper audio frequencies. When mounted in the vertical position it gives a wide sound distribution in the horizontal plane.

Made from heavy gauge steel, treated with acoustic damping compound, finished in dramatic hammer black paint, and with a Heavy Duty mounting bracket to support the pressure unit weight, the 4 KHZ is geared throughout to meet the needs of THE BIG SOUND with THE GREAT SOUND OF VITAVOX. First Group to use the 4 KHZ HORN – and find it Great – is 'Traffic' – others will not be far behind.



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A HORN IS BORN!!

Roger Dyer, Sales Manager at Vitavox explains the process and development of a horn unit

WHAT is it that prompts a manufacturer to go through the long and painful process of developing a product, of working on an idea until it finally gives birth to an addition to his product range? Half the time he thinks his range is already too large, anyway, but, and it's a big but, he senses a need, a gap in the market, that his unborn product can fill.

He's seen all the other equipment on the market, but somehow he knows that there's an edge of dissatisfaction, a demand in the search for perfection that he might be able to meet. So he gives the word and the wheels turn. A lot of work goes into even quite a simple object, if that object is to be any good and, looking back, it is always extremely difficult to predict the exact moment that a pro-

duct emerges from the 'that's a good idea' stage to the thrashed out, remodelled, recalculated, and refined item that finally reaches the end user. The Vitavox 4 Kilohertz Horn was conceived in this way.

OBVIOUS

It was obvious from the start that the new 4 Khz Horn had to be in an 'add-on' form, as many groups already possessed high-quality systems, and no one welcomes laying out large amounts on new equipment, hence another consideration — cost. It had to be good, but not be too expensive. Then, finally, shape. To a great extent this was obviously embodied in the original design. The method of dispersing sound in a horizontal plane from a vertical source is nothing new, since this is the

fundamental principle of the column speaker. What is new, however, is the use of this in a product for the group and P.A. market, in a compact form. The illustration will give you a better idea of exactly what is meant. The horn is mounted with the slot vertical and, because of its shape, it spreads the sound on a plane at 90 degrees to this; i.e. 180 degrees horizontally.

Horn units tend to 'squirt' high frequency sound in a narrow beam, the higher you go in the sound spectrum, the smaller the amplitude of the sound wave off axis. Mouth size and wave length dictate dispersion; the advantages are obvious. This small, compact horn gives good sound dispersion at the upper frequency end of the sound spectrum, and in an easily-transportable or 'addable' form.

There are three stages left. Sound tests, then mechanical tests, then again final sound tests. The first horn prototypes were built on to a strange gibbet-type construction to enable them to be tested not only with the slot axis vertical but also horizontally, and through 360 degrees in each plane. Testing was done in the Vitavox anechoic chamber and is the way in which the dispersive properties of the horn are determined. Sets of graphs are obtained from a complex test rig via a calibrated microphone. Having determined that the unit behaved satisfactorily on the sound tests, we then set about mechanically testing it. We gave it to several simulated 'Roadies' - if there can ever be such a thing who dropped, crunched, scraped and kicked it. Then we strengthened the mounting bracket. Well it looked strong enough at the start. After all that, we were ready for the final test.

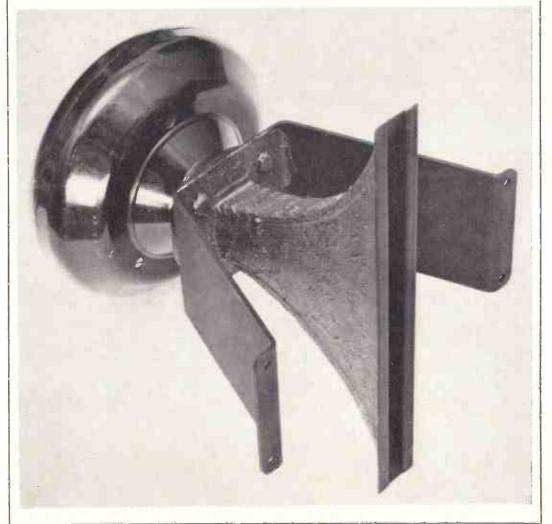
In the world of 'Hi-Fi' you can get away with using a small cone loudspeaker unit for the upper frequencies, but this is by no means good enough for group P.A. work. Not only is it extremely directional but, furthermore, cannot cope with the clarity, range and power levels required. The unit the 4 Khz Horn was primarily designed to work with is the Vitavox CN 353, type S3 pressure unit, a unit of high efficiency and high power handling, reproducing higher frequency sounds with 'bite' and clarity. This. however, is by no means its limit, as it can be adapted to take lower cost, less efficient units quite acceptably. So, finally, the 4 Khz Horn was tried out in combination with the following array, as this was considered the most likely set of conditions it would meet.

a) A bass cone loudspeaker with mid-range horn, i.e., a triple system with horns for mid and top. b) Bass and mid-range cone, i.e., a triple system with cone speakers for low and mid with horn for top. c) Full range cone loudspeakers working to 4 Khz with the 4 Khz Horn for H.F., i.e., a dual-channel system.

They all worked well and I prefer not to make judgments as to what was thought best, since this is such a personal thing for a group that they, obviously, must decide which they prefer.

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Roadies Page-

QUEEN'S John Harris (and team)

QUEEN ARE going the same way as Yes. That's not to suggest there are any musical similarities, rather the band believe in working for the future.

As soon as Yes started to earn decent money, they ploughed it all back into improving their act and giving better value for money in the hope that the public would respond. Respond they did and the investment paid huge dividends, as everybody knows.

Queen are doing the same thing. And that gives John Harris and his team quite a few problems. John is Queen's chief road manager. He's been with the band from the very beginning when they were called Smile and when the band went pro, he cast aside his college training and left his future in their hands. He's not regretting that.

John's team is a continually expanding and contracting one. His assistant is Robert Johnstone who joined the band in Scotland about nine months ago. Then there's a lighting crew (including someone to mix the lights) and truckers to do what roadies used to do a few years ago.

'The main problem is the worry,' admits John. 'It's such a great responsibility getting this lot of stuff around.'

We were talking at a full rehearsal of the band, held in a disused cinema in Ealing, West London, shortly before the band undertook their UK tour. In addition to the vast piles of source amplification, there was a massive RSE PA system, three mixers (one for fold-back mix), on-stage lighting towers, a massive mobile overhead gantry for lighting (very new), a number of high-power spotlights and a mixing desk for lighting. These are the basic units.

On stage the band's equipment is as follows. For bass there is a mixture of Hiwatt and Acoustic amplification delivering about 300

watts into a mixture of Sound City and Acoustic cabinets. Brian May insists on using Vox AC30s. He uses six of them for lead guitar. His initial guitar signal is amplified by two AC30s, the output is miked up and fed to the PA. The signal is also fed into an Echoplex and that output is, in turn, fed into two more AC30s. That output is miked up and fed to the mixer and it is also taken to a second Echoplex which is fed to the last pair of AC30s. That output is also miked and sent to the mixer.

ORIGINAL

'Brian's a real AC30 freak,' explains John. 'Most of his amps are original but we're trying out some of the new AC30s on the market and he says he likes them.'

The piano is miked by a contact mike and amplified via a Hiwatt system which delivers through two Peavey cabinets. The drums are amplified via ten mikes.

Most of the microphones are

AKGs with DI90, DI200 and 202 models predominating.

One of John's most important tasks is the sound mixing. Because he's been with the band so long he understands exactly the mix required for their music.

'I think the most important requirement for a sound engineer on live gigs, is an understanding of the band's music. If you understand exactly what the band is trying to do in each section you're in a far better position to get the sound just right.'

John has to deal with two mixers. Both are supplied by RSE from whom the entire PA system is hired. One is a 20-channel mixer which mixes vocal and instrument mikes together and the other is a fifteen-channel unit used just for drums. The effects units are Binson and Echoplex echo chambers and the system has an output around 2½KW.

The fold-back is also mixed separately, but the band adjust that from the stage. The massive

lighting system that the band carry is hired from ESP.

Going on tour for Queen is a mighty expensive operation with this kind of set up. To get it all around the band hire a 32-ton artic, that costs over £500 per week (including driver). The hire bill for the PA and lighting equipment (including crews) is over £2,000 a week and during the time the band are rehearsing the cinema costs £150 a week. In addition there's the back line and that costs about £5,000.

All this is John's responsibility.

'I suppose I spend two hours each day working out the figures. It really takes some organising making sure that the budget is properly spent. It must be said that Queen don't make anything out of touring, there's just no money in it. It's all to promote the records.

'I don't think tour rigs can really get any bigger or any more expensive. I think we've reached the end.'



L.-R.: John Harris, Robert Johnstone

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Genesis Double at Island

GENESIS, after a long silence on the recording front, have just put together a double album in Island Studios which is due for release soon. The album was both produced and engineered by John Burns. Amazing Blondell have just been in to record some new numbers and Dana Gillespie has

been finishing off her album, engineered by Phil Brown.

Both the studio and the mobile unit are now 24-track, and the mobile has recently been up to Newcastle to record a Roxy Music gig. Also in Island recently were Jess Roden, completing work on his new album, and Slade.



Hit-Mayers Go INDIGO

NORTHERN rock is alive and kicking, particularly in Indigo Studios, Manchester. They have recently expanded to 16-track and musicians from all over Britain have been going up there to work on various projects.

The list of people who have

visited Indigo recently includes Mud, The Bay City Rollers, Geordie, Lynsey De Paul, Barry Blue, Jonathan King, Medicine Head, Blackfoot Sue, Hector, Fable and Fancy, to name but a

Beatles Show at Scurao

THE highly succession. "HE highly successful stage Ringo and Bert, is soon likely to be a highly successful album as well. Songs from the show have recorded at Scorpio heen Sound by Barbara Dickson and the current West End cast, who had to dash off from the studio each evening at 6 p.m. prompt to get on stage in time. The producer

of the album was lan Samwell.

ELP's Carl Palmer has been in Scorpio doing mixing and overdubs for a forthcoming album and Chapman and Whitney and Isaac Guillory have also been doing mixing work. A & M Records band Hummingbird also came in to record an album to be released shortly.

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Eddy at Sarm

M R. Golden Guitar of the 1950's, the legendary legendary Duane Eddy, is really making a big come-back now. In fact he has just been in Sarm Studios recording a very aptly named single, The Man With The Guitar, which was Golden written and produced by Tony Macaulay.

Alvin 'The Untouchable' Stardust was certainly close enough to be touched by Sparks brothers Russ and Ron Mael, when they were all in the studio recording an interview for London Weekend Television's forthcoming Saturday Scene album, Also featured on the album will be David Cassidy. The Sweet, Gary Glitter and Showaddywaddy a mongst others.

Terry Webster and the Rockin' Berries have just recorded a new single for Satril Records and the Ammo Production Company were also in, working with ex-Searcher Mike Pender. Pete Dello of Honeybus fame has been recording a new single for Noon Music and Kenny Young had a very interesting time producing that radio loon Kenny Everett, who was recording a Christmas single for Rocket Records, Kenny has also just completed his own next single for G.T.O.

Sarm regulars Barry Blue and Roger Greenaway have been in again, Barry to produce Zigzag's single The Bump, which looks like starting a brand new dance craze, and Roger to finish off some tracks with Sunny. Another regular, Phil Coulter, dropped in to produce Penny and finish off work on a Pumpkinhead album.

On the jazz scene, Alan Haven has been recording a quadrophonic album with Barry Ainsworth. Gary Lyons has been helping Manfred Mann finish his new Earthband album. Top South African producer Mutt Lange has been working with a variety of acts including the Sleaz Band, J. Vincent Edwards and Bobbie McGee, plus work on tracks he's producing for himself and his wife under the joint name of Stephen.

Joining the trend, Rocky Horror Show writer Richard O'Brien has just recorded a new single with his wife, under the name Kimi and Ritz. The single, entitled I Was In Love With Danny (But The Crowd Was In Love With Dean), was produced by John Sinclair and Andrew Leighton. Described as a 'hotrod song', it will be out soon on

the CBS label.

Last but by no means least, Dave Dee, who looks like making a comeback with Dozy, Beaky, Mick & Titch, has been in Sarm producing tracks for Carl Simmons. By the way, apologies to Steve Lewis and Eclectic productions for wrongly attributing Humphrey's album to Virgin Records in Sarm Studios' news in the October issue of B.I.

Scaffold up at I.B.C.

STATUS Quo enthusiasts can expect to have a new album to add to their collections soon. The band have been hard at it in I.B.C. Studios for the past couple of months and have just about completed work on the album now. The producer was Damon Lyon-Shaw and the engineer Andy

Another band who have been in and out of I.B.C. lately is Scaffold, who have been mixing their new album, engineered by Mike Claydon and Keith Bessey. Paul Jones has been recording a single which was produced by Tim Rice and engineered by Hugh Jones and Keith Bessey and B. & C. Records artist Gery Benson has been putting down tracks produced by Dave Williams.

New Faces viewers may remember a fresh faced little lad called Jeffrey Hooper, who was subsequently signed by EMI. He has been in to record some numbers, one of which may be a follow-up single to Ways Of The World. The engineer on that session was Mike Claydon.



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Tri-Sound Mark II with SDF, now incorporates, like all SW amps, a separate power stage with a much improved technical specification. Also has the all-new Sustained Dynamic Fuzz Section. Frequency response: 20-20kHz+0-2db. Other amps? Lots of them, including the very new All-purpose 50. For instrument or PA use with an output of 50 watts rms into 8 ohms. Read all about them.



Folded Horn PA Bin Part of Simms-Watts Newspeak,

the language with greater power of expression and a much wider range of statement. This cabinet, for instance, is right on with the current trend of "instrument through PA." Has two high-frequency exponential horn units on a forward facing baffle, plus the 15" power speaker. Will handle 100 watts with style and grace.

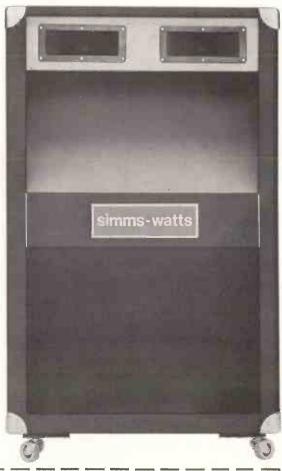
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Vocal Blender Mark II
Has the same mods as the new Tri-Sound and a bright new orange control panel to flag the differences. Like a power output of 100 watts rms into 8 ohms, and a total harmonic distortion of less than ½% at 100 watts. Worth reading about.





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B.I. [2/74"

Mushroom Humour

REMEMBER all those lovely take-offs of the Stones, the Beatles, etc., perpetrated by that chameleon-like group, the Barron Knights? Well, we are pleased to report that they are still at it! They have been in Mushroom Studios in Bristol recently recording a single called *Hey Frank*, which, we are told, has been written about Frank Spenser of TV's Crawford show. Rumour has it that it's extremely funny and should be released soon.

Reg Presley of The Troggs has been in producing some numbers for Air Studios and a local vocal harmony group called Kind Hearts And English have been in putting down some numbers written by John Tippet.

On the equipment front, Mushroom have recently installed a new Clark Techniques graphic equaliser and have also purchased an extra Phillips master stereo machine.

APRS Course

THE first course for studio engineers presented by the APRS (Association of Professional Recording Studios) was held at Guildford University recently.

Engineers from studios in the UK and from Switzerland and Belgium came together for five days and learnt and re-learnt many aspects of professional recording. Twelve lecturers

covered a wide spectrum of subjects in days which started at 9.30 a.m. and finished at 10 p.m. Practical work was also included in the course and at the end 22 of the 24 engineers attending said they would advise other engineers to take the course.

APRS have already announced that there will be another course in September 1975.



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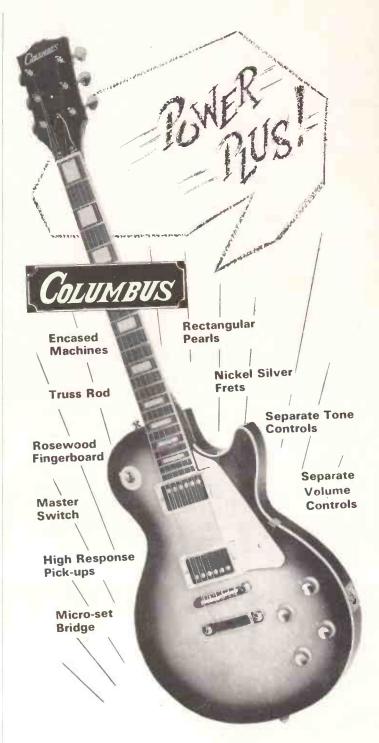
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GRYPHON



Gryphon: L.-R. David Oberle, Richard Harvey, Philip Nestor, Brian Gulland, Graeme Taylor

IKE the mythological bird from whom they take their name, there's something unclassifiable and timeless about Gryphon. 'Medieval rock' is too slick a label and could hardly convey the wealth of influences from Baroque, classical and rock music that blend together to form their kind of music. In their early days they earned a reputation for being comics on stage, galumphing round in flowingsleeved robes singing humorous old songs about Alchemists and farmers and ending their set with a bassoon and krumhorn version of I Do Like To Be Beside The Seaside. But even so, the sheer excellence of their playing shone through the clowning, showing them to be serious musicians who enjoyed having a bit of fun, rather than just dedicated devotees of authentic period music.

'What started off that particular stage presentation,' volunteered keyboard and recorder player Richard Harvey, 'was the idea of the first manager we ever had - we've been through quite a few since then. He mumbled something about putting on funny clothes and I think that all the "medieval" publicity and those clothes we wore at the beginning of our career gave people the unfortunate impression that we were a medieval band and they could not take our music seriously. Many people don't know what we're getting involved with now."

Like Leo Sayer laying aside his clown suit, they have now emerged from the gimmicky publicity and semi-humorous image into a world which seems to have started taking their music seriously at last. The fact that they have been booked to tour the States with Yes, who speak quite highly of them, means that they have at last got away from their folk club origins and are about to face their widest, if most critical, audiences yet.

FANTASIA

The original founders of Gryphon were Richard Harvey and bassoonist Brian Gulland, who met while studying at the Royal College of Music. By early '72 they had added guitarist Graeme Taylor and former rock band drummer David Oberle. Bass player Philip Nestor joined last January just in time to fill out the sound on their second album, Midnight Mushrumps.

Their third album, Red Queen To Gryphon Three, has just been released. In three albums, their progression is immense. You can see them searching for a solid direction in the first album, finding it by the end of the second and cementing it in the new album.

That first recording, titled, simply, *Gryphon*, although entertaining, with its country yokel-

type humour, extremely well played and unique in its rock approach to Renaissance music, had no unity. It wasn't so much a group album as a recording in which everybody chipped in and did their bit, had their spot in which to show off their talents.

Midnight Mushrumps, their second, was still a bit patchy although, in the Midnight Mushrumps fantasia, which was inspired by the music the band wrote for Peter Hall's production of The Tempest, they started to achieve more unity of sound and purpose.

On their new album the band work as one, everyone augmenting, complementing, enriching everyone else's playing. From the Yes-like intro right through the four different movements and moods of the album, the five musicians work as a unit.

'We think our new album's a turning point in the group's career,' said Richard Harvey. 'It's our first true communal composition and everybody's influences are in there all the time. Although most of the music on the second album was composed by the group, everybody wrote their own little bit. But the composers on this album were Gryphon.'

'Writing together is quite hard for us to do,' admitted Graeme Taylor, 'because we're all into different types of music. I would say this album is both more rock influenced and more classically influenced than the others. We've always encompassed a lot within our field and we've broadened our field rather than taken in new influences.'

Richard agreed. 'When we started the band it was mainly experimental, seeing how folk clubs would react to medieval music. But since we've found that the band works as a band in its own right, we decided that seeing as there are so many other groups playing authentic music, we'd go ahead and play our own.

'We owe what success we have had to date to medieval music but our music now's getting a lot more serious and personal. All along we've stated that our aim was to be a band that utilised any instrument that happened to be available at any one time in the course of our music.'

This sounds a bit like the philosophy of the Incredible String Band in their early days. In fact, this particular band did quite a lot towards inspiring Richard Harvey to try his luck in the rock field with his recorder playing talents.

As his father was a recorder teacher, Richard learned the instrument from an early age. 'My father is an extremely serious classical musician, so I've always taken the instrument extremely seriously. As there has been such an emphasis on small schoolchildren learning to play it' (Richard deplores the general standard of recorder teaching in schools), 'it's never been taken very serious in this country.'

Anyone who has heard Richard play will know that he plays a recorder like you've never heard one played before. Lightning fast with the utmost clarity of note, perfection of tonguing, and a beauty of tone which is quite unlike the reedy, piping efforts of the average schoolchild.

'I wouldn't have believed a few years ago that the recorder could actually be integrated into rock music. The early experiments of people like John Renbourne and the String Band enlightened me to the extent of realising that just because I was a recorder player didn't mean I was barred from the realms of improvisationalist music of some kind.

'There wouldn't be much validity in a rock band for someone who just played recorder, though. Although there's a lot you can do with it in a classical context, there's only just so much in a rock band context. That's why I've gone into keyboards as well.'

Some time in the future Richard is hoping to work on a project involving teaching the recorder via a record, a book or a video tape. He's hoping that his connection with Gryphon will enable his classical record to reach a wider public. In the meantime, as he mentioned earlier, he is getting more and more involved in keyboards and is building up quite a wide selection of keyboard effects on stage.

At present the band are rehearsing and getting material worked out for their next album. 'If we don't get it together like this, we'll never get it together at all, so we're recording bits as they come,' explained Graeme.

Red Queen To Gryphon Three should bring their music to a much wider audience than they've had before. The days of funny songs are past, and there are no lyrics on this album. Admirers of genuine Renaissance music may be disappointed by the rock content of the album, but traces of Baroque rhythms, the use of recorder and bassoon in unison as in the authentic period music, still remain, giving the whole album a highly individual sound, quite unlike any other rock band.



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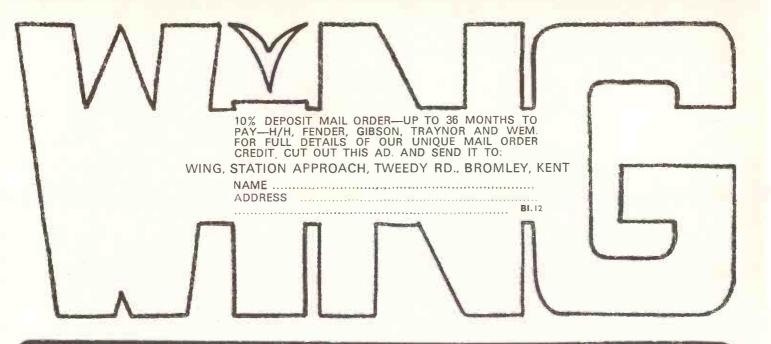
. . . You can also get Eric (froggy Wagner) and Claude to come to sort out your sound problems and get rid of your feed-back, loss of power or other acoustical drags. Room equalisation they call it; and you'll be amazed what it can do for you. Well worth the few quid it will cost you if you are about to do a major gig.

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DRUMS AND PERCUSSION

THROUGHOUT the development of 'pop' music and the changes of instrumentation that have occurred over the years between orchestras, bands and groups, the popularity and use of one instrument, the drums, has remained constant.

This isn't surprising when you consider that the drums are the most essential part of a rhythm section, and this has never been truer than since the introduction of rock music.

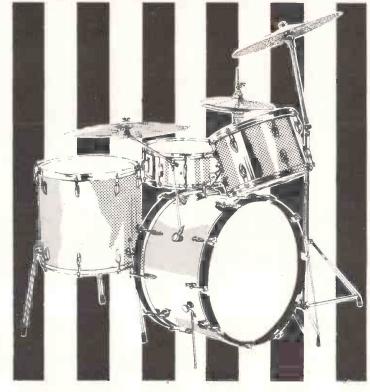
However, more than ever before rock has allowed the drummer to move, if he wants, out of the background and into the limelight. Sandy Nelson, Cozy Cole and in Britain one-time Shadow Tony Meehan were some of the first to exploit the drums as a solo instrument in rock. In recent years drummers such as Ginger Baker, Keith Moon, Jon Hiseman and Cozy Powell have kept drums in the forefront of the rock scene, and other artists such as Stomu Yamash'ta have opened up a whole new sphere of music with their progressive experimentation with percussion.

STRIKING

One noticeable change over the years has been the trend towards smaller-size bass drums, and although big-band and orchestra drummers often favour the louder unamplified sound of the larger drums, today's jazz and rock musician generally prefers a smaller bass drum with a 'tighter' sound – sometimes used in pairs and frequently miked up through the PA.

The introduction by several manufacturers of acrylic drums with their 'see through' appearance has been another interesting recent development.

This month's drum survey looks at these and other new items produced for the drummer today, as well as providing a guide to a wide





Beverley: Panorama 21 kit by Boosey & Hawkes

selection of some of the many established lines available.

Not content with producing only snare drums in metal, ASBA of Paris decided to go one better and produce an all-metal outfit. ASBA overcame the problem of weight by exploiting the light strength and striking appearance of stainless steel and the result, as many experienced drummers will know, is one of the finest kits available.

The Simms-Watts division of Rosetti & Co. Ltd. distribute ASBA in the UK, and Rosetti's advertising manager Pete Tulett says: 'Having recently visited the ASBA factory, I can tell you that ASBA make most of their components entirely by hand. They even cast their own wing nuts, tom-tom holders, etc., and their craftsmen clean up and finish every item on a one at a time basis. ASBA do not want to adopt mass production methods as in their own words, "the drums would lose their individuality","

STEEL

The latest introductions from ASBA are single-headed steel tom-toms, which will substantially reduce the price of a kit, and a new snare drum stand with a universal ball joint which allows any angle to be selected for the drum around 360 degrees from the centre to the support tube.

Besides their stainless steel drums, ASBA also produce woodshell outfits and drums of Frenchmanufactured Altuglass. These have a semi-transparent 'smoked glass' appearance and say Simms-Watts, 'the sound of these drums is deep, definite and penetrating'.

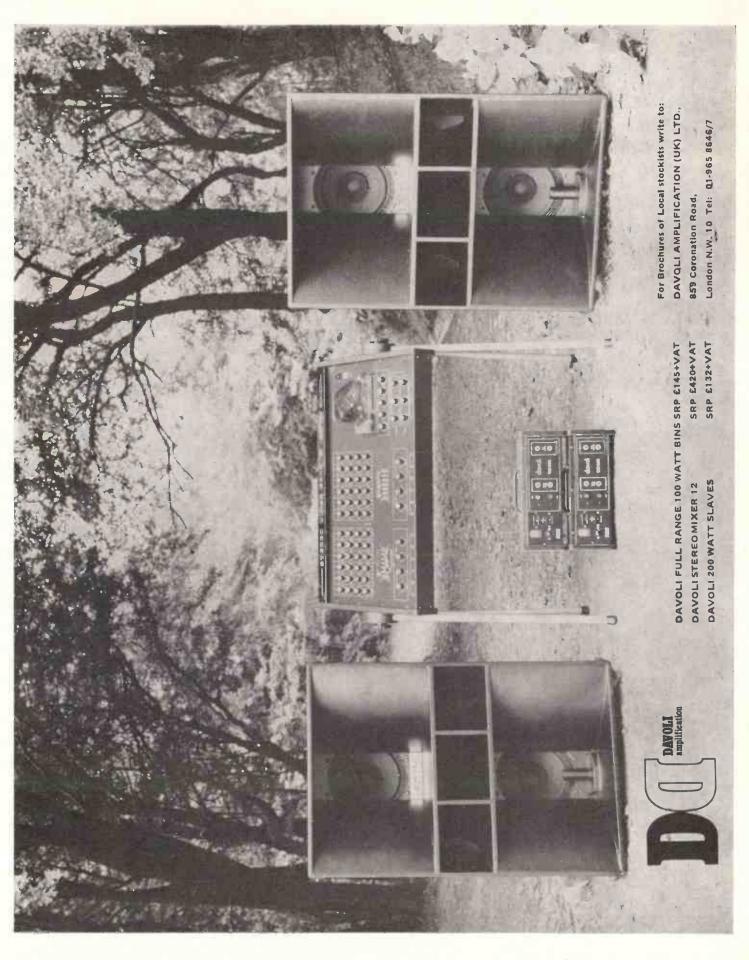
Simms-Watts also handle the famous K. Zildjian cymbals.

Boosey & Hawkes (Sales) Ltd. handle Beverley percussion, used by many pro drummers including Peter York, Lenny Hastings, Andy White and Clem Cattini (featured in our September Quiz for Ancient Groupies), and Avedis Zildjian cymbals.

There are two Beverley lines, the four-drum Galaxy series and the Panorama models. All outfits feature ten-lug metal shell snare drums. The Galaxy kits are four-drum outfits with bass drum sizes of 18 x 17 (the Galaxy 18 – popular with jazz and rock drummers), 22 x 17 (Galaxy 21) and 24 x 17 (Galaxy 24).

The Panorama kits are larger—the '21' has 22 x 17 bass drum, floor tom-tom, snare and twin-mounted tom-toms; the '22' features additional floor tom-tom and bass drums; and the Panorama 24 consists of the standard 14 x 5½

Continued on page 73



Continued from page 71

snare, two 16 x 16 floor tom-toms, two 13 x 9 tom-toms and 24 x 17 bass drum.

All Beverley kits include cymbals, cases and accessories.

Three ranges of drums are handled by **Dallas Musical Ltd.**– Hayman, Ludwig and Pearl, and also Paiste cymbals.

The Hayman range of Vibrasonic percussion consists of four outfits, a chrome snare drum and accessories such as sticks, vulcanised fibre cases, Americanmade sand-blasted heads and cymbals manufactured in Switzerland.

There are two four-drum kits; the Pacemaker with 20" bass drum and the Big Sound with 22" bass drum; a five-drum outfit, the Showman with twin-mounted tom-toms; and the Double Showman outfit which has two 26" bass drums (or two 24"), 16" and 14" floor tom-toms, 12 x 13 mounted tom-toms and 14 x 5½ snare.

Ludwig drums established their reputation in Britain in the sixties when The Beatles and The Rolling



Hayman 'Recording' Outfit by Dallas Musical Ltd.

Stones were among the first name bands to use them. The present Ludwig percussion range is vast, including thirteen outfits, snaredrums, congas, bongos, timbales, xylophones, vibes, lyras, hardware and accessories.

TRANSPARENT

The latest line that Ludwig have introduced is the 'see-thru' Vistalite range. Two Vistalite outfits are made, the Big Beat and the Pro Beat which have four and six drums respectively. 'Water clear' Weathermaster heads are used to complete the transparent look. Colours available are yellow, blue, green, amber, red and clear.

Ludwig enthusiasts who are new readers to Beat will be interested in The Ludwig Story which appeared in our July, 1974

The Pearl range of percussion from Japan includes several outfits, snare drums, Latin American drums, hardware and accessories.

Gretsch is a name that's familiar to both guitarists and drummers, and Gretsch drums incorporate several unique features such as the patented snap-in key holder, wide 42-power snares, lightning snare throw-off, disappearing drum spurs and adjustable built-in bass drum tone control.

Designed for the drummer that wants a loud, hard-driving sound, the Gretsch Rock 'n Roll outfit features twin 12 x 8 tom-toms with heavy-duty holders, 14 x 5 chrome metal snare drum, 20 x 14 bass

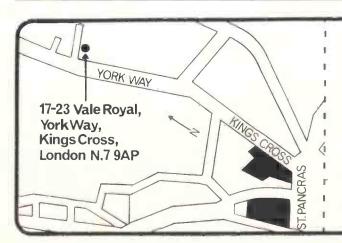
drum, 16 x 16 tom-tom with legs' and comes complete with stands, pedals, sticks and brushes. There's a choice of pearl, sparkle or flame finishes and hand-polished walnut.

Five other standard Gretsch outfits are produced; the twin-bass drum Avant Garde, the Black Hawk, Name Band, Progressive Jazz and One-Nighter Plus.

SEAMLESS

Gretsch also manufacture five different snare drums, headed by the 4160G 14 x 5 gold plated metal snare. This has a seamless spun brass shell and hand-polished 24-carat gold plating. There are two-chrome models, the 4160 in

Continued on page 74



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brass and the 4109 in aluminium, both 14 x 5 size, and two deeper snares, the Name Band (14 x $5\frac{1}{2}$) and the Floor Show (14 x $6\frac{1}{2}$).

Besides drums Gretsch also offer a wide range of accessories including sticks and heads and K. Zildjian Turkish cymbals Gretsch products are distributed in the UK by the Baldwin Piano and Organ Co.

John Hornby Skewes & Co. Ltd. distribute the Japanesemade Hoshino drums, which they





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Two four-drum Hoshino outfits are available: the HM1000 which features 20" bass drum, 14 x 15 and 12 x 8 tom-toms and all metal 14 x $5\frac{1}{2}$ snare drum; and the HM2000 which has a 22" bass drum, 13 x 9 and 16 x 16 tom-toms and all metal 14 x $5\frac{1}{2}$ snare. The latter kit also includes more elaborate hardware than the HM-1000.

Hornby Skewes recently announced the introduction of a new Hoshino outfit, the HSD500 which will be offered in two metallic finishes: fine gold and fine copper. The HSD500 consists of 22" bass drum, 16 x 16 floor tom-tom, 9 x 13 and 8 x 12 hanging tom-toms, 14 x 5½ all-metal snare, high-hat pedal, high-speed double-spring bass drum pedal, snare drum stand, two cymbal stands and sticks and brushes.

The British made Beverley drums are also handled by Hornby Skewes. There are six outfits in the Beverley range, offering a wide selection of drum combinations, sizes and shell finishes.

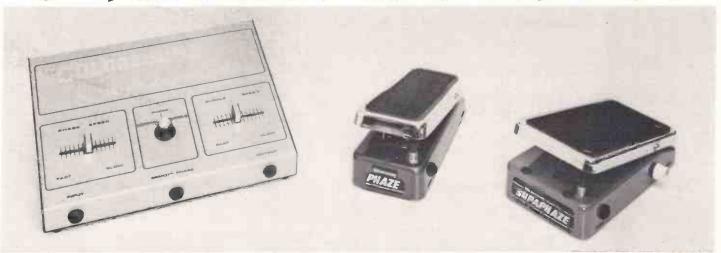
'Imperial and Royal Star drums are made by the world's biggest drum manufacturer,' claim Summerfield Brothers of Gateshead, who are the UK distributors

Continued on page 77



Summerfield Bros.' new Royal Star Jazz-Rock outfit

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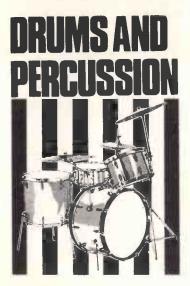
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Continued from page 75

for these percussion instruments.

These drums feature nine-ply compressed shells and hardwood reinforcing rings finished in clear lacquer, and are available in no less than 50 different finishes, including new metallic colours. De-luxe versions are now on the market of one of the most popular outfits, the 5255, in all-copper or all-chrome finishes.

One of the most inexpensive kits available for the serious drummer is Imperial's Swing Star Rock 55 outfit, which features 22" bass drum, 16" floor tom-tom, 13" tom-tom, 14" snare drum (wood

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F. W. O. BAUCH 01-953 0091 shell), snare drum and hi-hat stands and bass drum pedal. The Rock 55 is made in about 14 colours including 'silky' finishes.

Four models of chrome snare drums are manufactured, headed by the 8588 de-luxe model — 'the professionals' choice'.

Summerfields are offering a maximum delivery period of 12 weeks on these drums and will be announcing a new, redesigned range this month.

Orange Music offer drummers a custom building service for their drums, which are manufactured in France to individual specifications. The shells are constructed from four-ply mahogany, and Orange bass drums have a double skin, which, say Orange, 'creates a ½" air gap, equivalent to an extra 2" depth'. They can also be used with single skins only, as required.

Orange's range of hardware includes a bass drum pedal which will fold into the bass drum and a hi-hat which is adjustable for tension height and pedal pressure. If you can afford it, fittings can also be supplied with 18ct. gold plating.

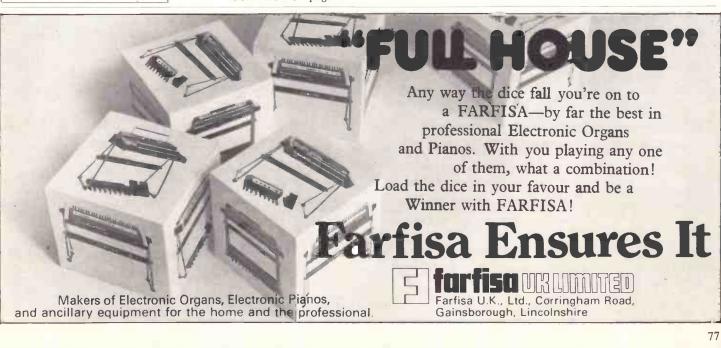
Finishes naturally include orange, and also red, black and hand veneered wood. Orange customers have included East of Eden, Wishbone Ash and Ike and Tina Turner.

One of the best-known names in the drum world is **Premier** and drummers using these Britishmade instruments include Keith Moon, Kenny Jones (The Faces), Darrel Sweet (Nazareth), John Coughlan (Status Quo), Dinky Diamond (Sparks), Barry Wilson (Procul Harum), Neil Smith (Alice Cooper), Paul Thompson (Roxy

Continued on page 79



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Continued from page 77

Music) and Ric Lee (Ten Years After).

Premier's two most popular kits with rock drummers are the B302 and B303 outfits. The latter features 22" bass drum, 12 x 8, 14 x 8 and 16 x 16 tom-toms, '2000' chrome snare drum, stands and accessories.

VOLUME

Premier's Kenny Clare outfit is designed for the drummer wanting maximum volume, and is therefore ideally suitable for use in big bands or situations where a loud sound is wanted without miking the drums through the PA. It features special interior shells which act as resonators and comes complete with hi-hat and three Super Zyn cymbals, it can also be supplied with twin bass drum-mounted tom-toms if required.

Some new items introduced by Premier in recent months are their mammoth 15-drum kit, the B808, which was exhibited at this year's AMII trade fair; the Kenny Clare Drummer's Throne—which doubles as a stool and cylindrical storage case, and say Premier 'is more comfortable than the conventional stool'; 'authentic sized' timbales; and single-sided tom-toms in 12 x 8, 13 x 9, 14 x 10 and 16 x 16 sizes which mount on drums or stands.

The American-made **Rogers** drums, handled in Britain by CBS/Arbiter Ltd., are the choice of many professionals, including Jon Hiseman, Stuart Francis (Sharks) and Derek Longmuir (Bay City Rollers).

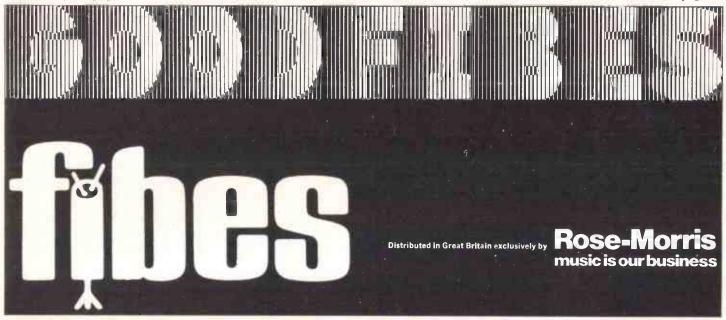
An important feature of the construction of Rogers drums is that no softwoods are used – shells are made of five-ply maple,

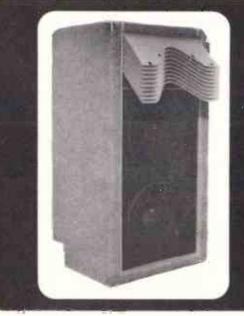
cross laminated with staggered seams. Five-ply reinforcing hoops are fitted top and bottom, shaved down to $\frac{1}{16}$ " for increased resonance.

Rogers recently introduced new laminate finishes which, it is claimed, are burn proof. Two chrome finished snare drums are made by Rogers, the Dynasonic which has a brass shell and is designed to produce a bright, crisp sound — 'ideal for fast delicate passages' and the steel-shelled Super X, which says Rogers promotion manager Mark Goodwin, is 'ideal for rock and roll'. Dynasonic and Super X snares are now available in 6½" deep versions.

CBS/Arbiter's Fender Soundhouse shops are now carrying as stock items various Rogers drums

Continued on page 80





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DRUMSAND

Continued from page 79

in different sizes to match the standard kits. There is also a range of fittings which can be dismantled and set up again without altering the set positions.

Certain to attract attention at any gig are the Shaftesbury acrylic 'see through' drums by Rose, Morris & Co. Ltd. Three modules are available: the 5025 which features 22 x 14 bass drum, 16 x 16 tom-tom, 12 x 8 tom-tom, 13 x 9 tom-tom and 14 x 5 snare; the 5040 which has a 24 x 14 bass drum and an additional 16 x 16 tom-tom instead of the 12 x 8; and the 5030 consisting of 20 x 12 bass drum, 16 x 16 and 13 x 9 tom-toms, and 14 x 5 snare drum.

Other Shaftesbury modules are available in pearl, metallic and duroplastic finishes, and both wood shell and acrylic drums are sold separately, as well as a 14 x 5

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B.I.INSTRUMENT

Drum Test

ONE of the most revolutionary changes in the drum world recently has been the introduction of acrylic see-through kits. For value for money, the Shaftesbury acrylic drum modules are hard to beat. The 5030 module features a 20 in. x 12 in. bass drum, complete with felt dampers, spurs, cymbal arm and one tom-tom holder, 16 in. x 16 in. tom-tom with three legs, 13 in. x 9 in. tom-tom and 14 in. x 5 in. snare drum.

The snare drum has an accurate, adjustable throw-off snare action which incorporates 24 strand wires, and can be changed in seconds. On our test model, the snare drum was fitted with Shaftesbury's own Toneblasted head which gives very punchy sound. The Toneblasting process uses a special formula spray to obviate undesirable overtones.

The snare can also be supplied with Head-Master transparent head to match the shell as fitted to the other drums in the outfit. Like the Toneblasted heads the Head-Masters are unaffected by changes in temperature and do

not require constant retention-The kit has a crisp, ing. attacking sound which should appeal immediately to today's rock drummer.

All the fittings are chromeplated and tuning is effected using standard drum keys.

Retail price of this set-up is £236.47 including V.A.T. A 'smoke' tinted finish is also available at slight extra cost.

Complementing these drums is the Shaftesbury Powerdrive range of drum hardware, which includes stands designed so that they can be set up and broken down without disturbing the settings, and a comfortable drummer's stool with full height adjustment, swivel seat, and detachable legs.



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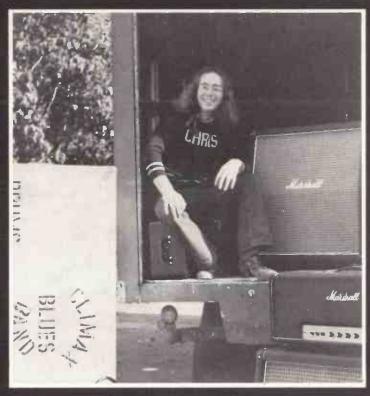
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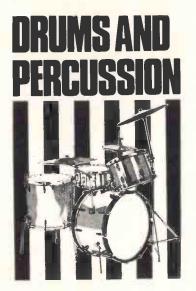
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Continued from page 80

metal shell snare drum. The latter (No. 422) has a brushed silver anodised aluminium shell with chrome plated rolled-steel counter hoops. The adjustable throw-off snare action incorporates 24-strand wire snares.

'A new concept in drum hardware' is how Shaftesbury describe their Powerdrive range. All units have the 'Setlock' feature which allows all angle, height and tilt settings to be pre-set at the builtin 'breakaway' bosses. Once these settings have been made no further adjustment is necessary and each time the hardware is broken down or re-assembled the setting lock remains the same.

Rose-Morris also handle the innovative fibreglass drums made by Fibes of the CF Martin Organisation.

Slingerland drums are made in the USA and designed to produce maximum volume from all the shells. UK distributors are Cleartone Musical Instruments Ltd. of Birmingham, who acquired the agency at the 1974 Frankfurt trade fair. C.M.I. believe that a good after-sales service is important and their dealers carry spares outfits, which contain the items most likely to be needed. A larger stock is also kept by C.M.I. themselves.

Two of the most popular kits, especially with the rock drummer, are the Buddy Rich and Gene Krupa outfits. Both use the following size drums: 22×14 bass, 13×9 tom-tom, 16×16 floor tom-tom, $14 \times 5\frac{1}{2}$ snare, and the de-luxe stands and hardware. The Buddy Rich outfit has an additional 16×16 floor tom-tom. Another variant is the Joe Cusatis kit which has the same drums as the Gene Krupa but with the ordinary stands.

A wide selection of finishes are available, the most popular being marine pearl.

The German-made **Sonor** drums, distributed in the UK by M. Hohner Ltd., feature 'fully vibrating' seamless shells, moulded together by an oil-heated process. They are available say Hohner, in 'virtually any number of colours' and special finishes can be supplied to order, including fluorescent kits.

The basic kit in the Sonor range is the four-drum K.130 which has a 22" bass drum, 13" tom-tom, 16" floor tom-tom, 14 x 5 metal snare and comes complete with hardware and sticks. The largest Sonor outfit is the six-drum K.163, and the 'star' of the Sonor range is the K.189 rosewood kit, which say Hohner 'is very popular with jazz and session men'. The shells are made of solid rosewood (not veneer) in natural finish. The standard outfit has 18" bass drum,

12" tom-tom, 14" floor tom-tom and 14 x 5 metal snare, and this can be added to if required.

The latest introduction from Sonor is the K.162 acrylic outfit which is made in both clear and semi-transparent finishes, the latter in 'smoke', bright red or blue. Quips Hohner's Les Stewart 'it's the ideal outfit for lady drummers wearing mini-skirts!'.

Also available from Hohner are

Sonor's Champion and Super Champion range of accessories.

The drummer looking for an inexpensive kit is catered for by **W.M.I. Ltd.,** who handle Del-Rey drums. The basic outfit is the D-3, which consists of a bass drum 20 x 14, tom-tom 12 x 8, and a snare drum 14 x 5, and comes complete with snare drum stand,

Continued on page 85

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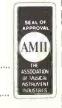
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itto, tremelo 358-56 cleaster Ctm 262-44 cltto, tremelo 316-44 clecaster Std 230-04 cltto, tremelo 284-12 conco, red 150-12 usicmaster 138-24 ustang 138-24 clecaster Thinline 340-20 cltto, tremelo 376-92	310 Electric 360 Bass Blue Hill 6. Blue Hill 12. SM8 Solid SM9 Solid Westside Vestside SM19 Bass 355 Bass	64·79 68·20 58·78 62·17 80·13 90·58 13·81 97·18 75·87	2374 Semi-Acoustic Id 698E Gt.Westrn. elec. 698E Super Electric 698 Gt Wstrn jbo 698M Gt Wstrn jbo 696 Gentleman Jim 691 Gentleman Jim 684/12 Super Jumbo.	94·00 78·50 61·00 66·50 77·50 54·00 57·00 61·50	viola	07 07	N175 Classical N28 Classical N29 Classical N81 Classical N108 Classical N74 Classical w/ca N75 Classical w/cs N76 Classical w/cs N76 Classical w/cs	32·49 34·85 39·85 45·00 49·85 70·00 82·30 94·60	6/41 mandolin	46- 58- 72- 301- 694- 931- 80- 87-
itto, tremelo	310 Electric 360 Bass Blue Hill 6. Blue Hill 12. SMB Solid SM9 Solid Westside SM19 Bass 355 Bass 149 Classic	64·79 68·20 58·78 62·17 80·13 90·58 13·81 97·18	2374 Semi-Acoustic Id 698E Gt.Westrn. elec. 684E Super Electric. 698 Gt. Wstrn jbo 696 Gentleman Jim 693 Gentleman Jim 694 [12 Super Jumbo 684/6 Super Jumbo	94·00 78·50 61·00 66·50 77·50 54·00 57·00 61·50 54·00	viola	5.07 5.07 5.93 5.49	N 175 Classical N28 Classical N29 Classical N81 Classical N108 Classical N74 Classical w/ca N75 Classical w/cs N76 Classical w/cs N76 Classical w/cs N30 Folk	32·49 34·85 39·85 45·00 49·85 70·00 82·30 94·60 29·95	6/41 mandolin 6/41 elec O/4 steel SL/800-2 Hawaiian FS/1000 ped FS/2000 ped 6/174 bio 6/175 bio 6/175 bio 6/175 bio	46· 58· 72· 301· 694· 931· 80· 87· 91· 85·
itto, tremelo	310 Electric 360 Bass Blue Hill 6. Blue Hill 12. SM8 Solid SM9 Solid Westside SM19 Bass 355 Bass 149 Classic C.M.I. CMI Custom VI. I	64·79 68·20 58·78 62·17 80·13 90·58 13·81 97·18 75·87 27·62	2374 Semi-Acoustic Id 698E Gt.Westrn. elec. 698 Gt. Wstrn jbo 698 MG t. Wstrn jbo 696 Gentleman Jim 693 Gentleman Jim. d/I 684/12 Super Jumbo. 684/6 Super Jumbo. 684/6 Left-Hand 628/12 Californian jbo	94·00 78·50 61·00 66·50 77·50 54·00 57·00 61·50	viola 59 TORRE AND CLASSICAL GUITARS 4424 Torre Student 15 4436 Torre Chica 15 4431 Torre Classic 20 4418 Torre Granada 3 4415 Spagnola 22 500N Korean clas nylon str 10 5035A Korean § sz stl	5.07 5.07 5.07 5.49 5.49 2.60	N 175 Classical N28 Classical N29 Classical N81 Classical N108 Classical N74 Classical w/ca N75 Classical w/cs N76 Classical w/cs N30 Folk N71 Jumbo N72 12 st	32·49 34·85 39·85 45·00 49·85 70·00 82·30 94·60 29·95 36·25 38·50	6/41 mandolin 6/41 elec O/4 steel. SL/800-2 Hawaiian. FS/1000 ped FS/2000 ped 6/174 bjo. 6/175 bjo. 6/176 bjo. 6/176 mandolin	46. 58. 72. 301. 694. 931. 80. 87. 91. 85. 82.
itto, tremelo. 358-56 elecaster Ctm. 260-44 itto, tremelo. 316-44 elecaster Std. 230-04 ftto, tremelo. 284-12 ronco, red 150-12 ustang 213-84 elecaster Thinline. 340-20 tto, tremelo. 376-92 recision bass 249-48 tto, narrow neck. 265-68 recisionbass, fretless 249-48 zz bass. 299-16 elecaster bass. 263-52	310 Electric 360 Bass Blue Hill 6. Blue Hill 12. SM8 Solid SM9 Solid Westside SM19 Bass. 355 Bass 149 Classic C.M.I. CMI Custom VI I CMI Custom IV	64·79 68·20 58·78 62·17 80·13 90·58 13·81 97·18 75·87 27·62 09·96 22·76	2374 Semi-Acoustic Id 698E Gt.Westrn. elec. 698E Super Electric 698 Gt Wstrn jbo 698M Gt Wstrn jbo 696 Gentleman Jim 693 Gentleman Jim 693 Gentleman Jim 684/12 Super Jumbo. 684/6 Super Jumbo. 684/6L Left-Hand 628/12 Californian jbo 628 Californian jbo	94·00 78·50 61·00 66·50 77·50 54·00 57·00 61·50 54·00 58·00 51·00	viola	5.07 5.07 5.93 5.49 2.60 0.04	N 175 Classical N28 Classical N29 Classical N81 Classical N108 Classical N74 Classical w/ca. N75 Classical w/cs. N76 Classical w/cs. N30 Folk. N71 Jumbo N72 12 st N73 Jumbo.	32·49 34·85 39·85 45·00 49·85 70·00 82·30 94·60 29·95 36·25 38·50 47·50	6/41 mandolin 6/41 elec O/4 steel SL/800-2 Hawaiian. FS/1000 ped FS/2000 ped 6/174 bjo. 6/175 bjo. 6/175 bjo. 6/178 bjo. 6/178 mandolin N-74 bjo.	46- 58- 72- 301- 694- 931- 80- 87- 91- 85- 82- 143-
itto, tremelo. 358-56 elecaster Ctm. 262-44 litto, tremelo. 316-44 elecaster Std. 230-04 litto, tremelo. 284-12 eronco, red. 150-12 usicmaster. 138-24 ustang. 213-84 elecaster Thinline. 340-20 litto, tremelo. 376-92 erecision bass. 249-48 litto, narrow neck. 265-68 ezision bass, fretless Zz bass. 299-16 elecaster bass. 235-44 sustang bass. 235-44	310 Electric 360 Bass Blue Hill 6. Blue Hill 12. SMB Solid SM9 Solid Westside Vestside SM19 Bass 355 Bass 149 Classic C.M.I. CMI Custom VI I CMI Custom IV I CMI Sallsbury I SG2S	64·79 68·20 58·78 62·17 80·13 90·58 13·81 97·18 75·87 27·62 09·96 42·72	2374 Semi-Acoustic Id 698E Gt.Westrn. elec. 698E Super Electric 698 Gt Wstrn jbo 698 Get Wstrn jbo 696 Gentleman Jim 693 Gentleman Jim 684/12 Super Jumbo. 684/6 Super Jumbo. 684/6 Left-Hand 628/12 Californian jbo. 628 Californian jbo 79 Californian fk	94·00 78·50 61·00 66·50 77·50 54·00 57·00 61·50 54·00 58·00 58·00	viola	5:07 5:07 5:07 5:49 2:60 0:04 3:37 0:04 3:37	N175 Classical N28 Classical N29 Classical N81 Classical N108 Classical N74 Classical w/ca N75 Classical w/cs N76 Classical w/cs N30 Folk N71 Jumbo N72 12 st N73 Jumbo N107 12 st N109 Jumbo	32·49 34·85 39·85 45·00 49·85 70·00 82·30 94·60 29·95 36·25 38·50	6/41 mandolin 6/41 elec O/4 steel. SL/800-2 Hawaiian. FS/1000 ped FS/2000 ped 6/174 bjo. 6/175 bjo. 6/175 bjo. 6/176 bjo. 6/178 mandolin N-74 bjo. N-75 bjo.	46· 58· 72· 301· 694· 931· 80· 87· 91· 85· 82· 143· 148· 152·
itto, tremelo. 358-56 elecaster Ctm. 262-44 itto, tremelo. 316-44 elecaster Std. 230-04 fitto, tremelo. 284-12 ronco, red 150-12 usicmaster. 138-24 ustang. 213-84 elecaster Thinline. 340-20 tito, tremelo. 376-92 recision bass. 249-48 elecaster bass. 249-48 zz bass. 299-16 elecaster bass. 249-48 zz bass. 263-52 ustang bass. 235-44 ass VI. 370-44 usicmaster bass. 119-88	310 Electric 360 Bass Blue Hill 6. Blue Hill 12. SM8 Solid SM9 Solid Westside SM19 Bass. 355 Bass 149 Classic C.M.I. CMI Custom VI I CMI Custom IV I CMI Salisbury I SG2S SG10B	64·79 68·20 58·78 62·17 80·13 90·58 13·81 97·18 75·87 27·62 09·96 22·76 09·96 42·72 41·64	2374 Semi-Acoustic Id 698E Gt.Westrn. elec. 698E Super Electric 698 Gt Wstrn jbo 698M Gt Wstrn jbo 698 Gentleman Jim 693 Gentleman Jim 693 Gentleman Jim 684/12 Super Jumbo 684/6 Left-Hand 628/12 Californian jbo 79 Californian fbo 627/12 Bronco jbo	94·00 78·50 61·50 66·50 77·50 54·00 57·00 58·00 58·00 58·00 51·00 37·50 44·00	viola	5.07 5.07 5.93 5.49 2.60 0.04 3.37 1.72	N175 Classical N28 Classical N29 Classical N18 Classical N108 Classical N74 Classical N75 Classical w/cs N76 Classical w/cs N76 Classical w/cs N70 Folk N71 Jumbo N72 12 st N73 Jumbo N107 12 st N109 Jumbo N109 Jumbo N95 Custom C&W	32.49 34.85 39.85 45.00 49.85 70.00 82.30 94.60 29.95 38.50 47.50 49.75 51.95	6/41 mandolin 6/41 elec 6/41 elec 7/4 steel 5L/800-2 Hawaiian FS/1000 ped FS/2000 ped 6/174 bjo 6/175 bjo 6/175 bjo 6/175 bjo 6/176 bjo 6/178 mandolin N-74 bjo	46: 58: 72: 301: 694: 931: 80: 87: 91: 85: 82: 143: 148: 152:
itto, tremelo. 358-56 elecaster Ctm. 262-44 itto, tremelo. 316-44 elecaster Std. 230-04 itto, tremelo. 284-12 ronco, red 150-12 usicmaster. 138-24 ustang 138-24 elecaster Thinline. 340-20 recision bass 249-48 uzt bass 249-48 uz bass 299-16 elecaster bass 263-52 ustang bass 235-44 usicmaster bass 119-88 edal steel 2000. 1140-48 edal steel 2000. 948-24	310 Electric 360 Bass Blue Hill 6. Blue Hill 12. SM8 Solid SM9 Solid Westside SM19 Bass. 355 Bass 149 Classic C.M.I. CMI Custom VI I CMI Custom IV I CMI Salisbury I SG2S SG10B	64·79 68·20 58·78 62·17 80·13 90·58 13·81 97·18 75·87 27·62 09·96 42·72	2374 Semi-Acoustic Id 698E Gt.Westrn. elec. 698E Super Electric. 698 Gt Wstrn jbo 698 Gentleman Jim 693 Gentleman Jim 693 Gentleman Jim 684/12 Super Jumbo 684/6 Super Jumbo 684/6 Left-Hand 628/12 Californian jbo 628 Californian fk 627/12 Bronco jbo 627/Left-Hand 627 Bronco jbo 627 Left-Hand	94·00 78·50 61·00 66·50 77·50 54·00 57·00 61·50 54·00 58·00 58·00 51·00 37·50 52·00	viola	5:07 5:07 5:07 5:49 2:60 0:04 3:37 0:04 3:37	N175 Classical N28 Classical N29 Classical N18 I Classical N108 Classical N75 Classical N75 Classical w/cs. N76 Classical w/cs. N30 Folk. N30 Folk. N71 Jumbo N72 12 st N107 12 st N109 Jumbo N109 Jumbo N505 Custom C&W w/cs. N96 Custom C&W	32.49 34.85 39.85 45.00 49.85 70.00 82.30 94.60 29.95 36.25 38.50 47.50 47.75 51.95	6/41 mandolin 6/41 elec O/4 steel SL/800-2 Hawaiian FS/1000 ped FS/2000 ped 6/174 bjo 6/175 bjo 6/175 bjo 6/178 mandolin N-74 bjo N-75 bjo N-75 bjo M/75 bjo	46: 58:6 72:5 301:8 694:7 931:1 80:7 91: 85:5 82:0 143: 148:1
itto, tremelo	310 Electric 360 Bass Blue Hill 6. Blue Hill 12. SM8 Solid SM9 Solid Westside SM19 Bass. 355 Bass 149 Classic C.M.I. CMI Custom VI. I CMI Custom IV I CMI Salisbury I SG2S SG10B ST300 HASHIMOTO G100	64-79 68-20 58-78 62-17 80-13 90-58 13-81 13-81 75-87 27-62 09-96 42-72 41-64 64-42 38-73	2374 Semi-Acoustic Id 698E Gt.Westrn. elec. 698E Gt.Westrn. jbo 698E Gt.Wstrn. jbo 698E Gt.Wstrn. jbo 698E Gentleman Jim 693 Gentleman Jim 684/12 Super Jumbo 684/6 Super Jumbo 684/6 L. faft-Aland 628/12 Californian jbo 79 Californian jbo 627 Bronco jbo 627 Bronco jbo 627 L. Left-Hand 62 Bronco fk 628 Floor implementation of the seminary o	94·00 78·50 61·00 66·50 77·50 54·00 57·00 61·50 58·00 58·00 51·00 37·50 44·00 51·00 35·50 41·00	viola	6:07 6:07 6:07 6:49 2:60 0:04 8:37 0:04 3:37 1:72 3:37	N175 Classical N28 Classical N29 Classical N81 Classical N108 Classical N74 Classical N75 Classical w/cs N76 Classical w/cs N30 Folk N71 Jumbo N72 12 st N73 Jumbo N107 12 st N109 Jumbo N95 Custom C&W w/cs N96 Custom C&W w/cs	32.49 34.85 39.85 45.00 49.85 70.00 82.30 94.60 29.95 38.50 47.50 49.75 51.95	6/41 mandolin 6/41 elec O/4 steel. SL/800-2 Hawaiian. FS/1000 ped FS/2000 ped 6/174 bjo. 6/175 bjo. 6/175 bjo. 6/176 bjo. 6/178 mandolin N-74 bjo. N-75 bjo.	46- 58- 72- 301- 694- 931- 80- 87- 91- 85- 82- 143- 148- 152-
itito, tremelo	310 Electric 360 Bass Blue Hill 6. Blue Hill 12. SM8 Solid SM9 Solid Westside SM19 Bass. 355 Bass 149 Classic C.M.I. CMI Custom VI	64-79 68-20 58-78 80-13 90-58 13-81 97-18 75-87 27-62 09-96 42-72 41-64 64-42	2374 Semi-Acoustic Id 698E Gt.Westrn. elec. 698E Super Electric. 698 Gt Wstrn jbo 698 Gentleman Jim 693 Gentleman Jim 693 Gentleman Jim 684/12 Super Jumbo 684/6 Super Jumbo 684/6 Left-Hand 628/12 Californian jbo 628 Californian fk 627/12 Bronco jbo 627/Left-Hand 627 Bronco jbo 627 Left-Hand	94·00 78·50 61·50 66·50 77·50 54·00 57·00 58·00 58·00 58·00 51·00 37·50 52·00 44·00 51·00 35·50	viola	5.07 5.07 5.49 2.60 3.37 3.37 1.72 3.37	N175 Classical N28 Classical N29 Classical N18 I Classical N108 Classical N75 Classical N75 Classical w/cs. N76 Classical w/cs. N30 Folk. N30 Folk. N71 Jumbo N72 12 st N107 12 st N109 Jumbo N109 Jumbo N505 Custom C&W w/cs. N96 Custom C&W	32.49 34.85 39.85 45.00 49.85 70.00 82.30 94.60 29.95 36.25 38.50 47.50 47.75 51.95	6/41 mandolin 6/41 elec O/4 steel SL/800-2 Hawaiian FS/1000 ped FS/2000 ped 6/174 bjo 6/175 bjo 6/175 bjo 6/178 mandolin N-74 bjo N-75 bjo N-75 bjo M/75 bjo	46. 58. 72. 301. 694. 931. 80. 87. 91. 85. 82. 143. 148.

77 It. gauge, elec	MG.010 Folk 10.99 S1612 Folk 14-68 ST1612 Folk 15-02 N1612 Classic 15-22 C103N Classic 17-57 IC.600S Folk 21-60 SGI Classic 27-98 WF.5 Western 22-49 TERADA G.306 Classic 31-71 G.307 Classic 44-18 G.309 Classic 44-18 G.309 Classic 51-99 G.310 Classic 51-99 G.310 Classic 91-57 F.602 Folk 39-53 FW.613 Western 75-14 W.623 12/S Western 61-29 FW.614 Western 49-85 FW.615 Western 55-16 JW.835 Western 104-82 ZENTA FT.1 Electric 30-39 FT.27 Electric 30-39	G180 60-33 G220 73-45 G280 90-30 GC3 handmade 108-00 GC6 handmade 156-10 GC10 handmade 212-07 S50A Steel Str 26-82 Folk: FG75 38-59 FG110N 42-67 FG150 45-99 FG160 jumbo 52-96 FG170 54-17 FG200 jumbo 54-67 FG2000 jumbo 103-46 FG360 jumbo 103-46 FG360 jumbo 110-00 FG2630 jbo 12-str 76-69 FG380 jumbo 110-00 FG580 jumbo 110-00 FG580 jumbo 133-70 FG630 jbo 12-str 172-08 FG1500 handmade 343-63 FG1500 handmade 343-63 FG2000 handmade 343-63 FG2000 handmade 343-75 Folk w/p.u.:	ACOUSTICS OVATION Balladeer 6-str w/bg Balladeer 12-str w/bg Glen Campbell 6-str w/bg	9503 Classic 34-95 9583 H/made Classic 68-95 9651 Folk 39-75 9652 Folk 35-50 9653 12/5 Folk 44-50 9507 Folk 42-50 ROSETTI Raver Elec 33-25 Raver Bass 33-25 TATRA 9198 Classic 18-95 9225 Classic 22-95 Hi-Spot Nylon 13-45 Hi-Spot Steel 11-70 LANDOLA 9700/23 Classic 16-95 9701/71 Folk 34-95 9701/72 Large Jbo 41-50 9704/73 12/s 45-50	by, Palm Pedal, Sat- in walnut
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822 Jbo, 12-str. 39-76 823 Jbo 40-75 824 Jbo 55-47 825 Jbo 60-38 830 Solid 63-82 831 Solid 61-36 SELMER GUITARS Rancher, 6-str, C & W 24-30 Rancher, 12-str, C & W 31-91 VIVA GUITARS Viva 1 7-73 Viva 2 8-27 SUMMERFIELD★ IBANEZ CLASSIC 304 24-00 309 25-99 361 28-99 361 28-99 363 35-50 364 41-00 362 31-99 370 37-99 375 44-00 362 31-99 375 44-00 362 110-00 *391 79-99 *392 89-99 *2858 110-00 *391 79-99 *392 89-99 *2858 110-00 *2862 220-00 ASN 101 11-50 AP701 13-99 TAMURA HAND-MADE CONCERT P35 120-00 P45 150-00 P55 175-00 P60 00-061 P80 220-00 P55 175-00 P60 00-061 P80 220-00 P100 275-00 P150 400-00 P150 450-00 P100 315-00 P100 375-00 P1	DS0	LP2G	p/u's 302-40 S/Ac 6-str 302-40 S/Ac 12-str 388-80 S/Ac 12-str d/l stereo 414-72 S/Ac d/l stereo, 6-str 2 p/u 362-88 S/Ac d/l stereo, 6-str 3 p/u 388-80 Solid bs I p/u 285-12 Solid stereo bs 2 p/u 319-68 S/Ac bs 406-08 GUILD	B'grass Jubile e (maple) 293-76 Giant Dreadnought 293-76 B'grass Special Dreadnought 319-68 TV Custom Dreadnought 388-80 Dreadnought 368-80 Troubadour Folk 146-88 Troubadour Folk 146-88 Troubadour Folk 146-88 Troubadour Folk 148-44 Aragon Fk (Nat) 181-44 Aragon Fk (Sunbst) 181-45 Navarre Jbo (Income Illa 181-55 Navarre Jbo (In	2 scratch plates. 18-95 KD28 Ibo wstrn 23-50 K.520 Ibo wstrn 27-50 K.520 Ibo wstrn 22-50 K.520 Ibo wstrn 22-50 K.520 Ibo wstrn 28-50 K.530 Ibo wstrn 28-50 KDG, 77 D/I flk w/cs 58-95 KDG, 70 D/I jbo w/cs 66-00 KDG, 812 D/I 12 str w/cs 69-95 Classic KC.265 Student 10-95 K.112 Student 11-95 KC.366 Concert 14-95 KC.366 Concert 14-95 KC.366 Concert 14-95 KDG, 60 D/I w/cs 47-50 Electric KEB, 130 Bs long scale K.2B D/I bs long scale K.2B D/I bs long scale K.2B D/I ls long scale K.2B D/I soling e p/u 18-50 KE.100 Single p/u 18-50 KE.100 Single p/u 18-50 Banjo: 58-95 30 brckt w/res 45-00 B.20 Promotional 29-95 Z.B. EMMONS Pro. DIO 843-38 Pro. SIO 594-00 Pro. SI2 692-18 SS8 243-49 SS10 392-72 ES8 194-40 ES510 392-72 ES8 194-40 ES510 397-74 ES58 243-49 ES510 397-74 ES58 397-44 ES58 3
AMPLIF	IERS, P.A.	SYSTEMS	S AND SP	EAKER CA	ABINETS
X 12 60 W wedge mt 2 x 12 120 W wedge mt 97.20	L.100 PA. P/A amp 155-68 L.212 PA50, cols (pr) 180-79 L.412 PA100. cols (pr) 294-62 L.215 HPA, P/A cols (pr) 0n app. C.30 PA Ensemble 150-56 LV11 Reverb unit 58-59 HAWK 9860, 5W 24-30 9865, 15W 38-77 9866, 25W 51-55 9867, 50W 65-28 AMPEG VT40, 60W valve 289-65 VT22, 100W valve 368-20 G212, 120W s/state 343-65 G410, 120W s/state 347-00 B115, 120W s/s, tas 289-65 B410, 120W s/s, bs 289-65 B410, 120W s/s, bs 388-40 B-155, 60W valve 368-80	CARLSBRO	PUBLIC ADDRESS 2 × 12 PA, 80W, (pr). 112-86 2 × 12 PA, 120W, (pr) 142-33 4 × 12 PA, 120W, (pr) 211-10 4 × 12 PA, 240W (pr) 270-00 1 × 15 Twin hn, 100W (pr)	12 inch	M.I. AMPLIFICATION RANGE Lead, 60W valve amp 129-60 Bass, 100W transistor amp

At time of going to press, firms marked \bigstar had not yet advised us of their revised prices with V.A.T. at the new rate of 8 per cent. Price revisions will be printed as we receive them - until then, deduct £2.00 per £100.

58.00

146-28

97.41

114-03

142-33

172-80

172-80

169-93

169-93

140-62

130F speakers ...
Dual 5howman, 2 x D
140F speakers ...
Dual Showman, top .
Quad Reverb, 4 x 12-

inch speakers.... Quad Reverb, 4 x D 120F speakers Super Six, 6 x 10-inch

speakers Super Six, 6 x DIIOF

speakers...... Twin Reverb, 2 x 12-

inch speakers.....
Twin Reverb, 2 x D
120F speakers
Bandmaster, 2 x 12 in.

Bandmaster, 2 × D

Bandmaster, top Bandmaster, enclos-

ure

451.44

648-00

435-24

758-16

386-64

481-68

379.08

483-84

245-16

167-40

hn Twin Horn Cab plus

Ass Crecendo P.A. . .

L,60, 1/b/o amp..... L.100, 1/b or o amp .. LS.100, 100W multi-

p, slave amp..... L.412 B100 cab..... L.412 S120, I/b/o cab.

L.60 PA, P/A amp ...

BOOSEY &

HAWKES

LANEY

X/O on app.
Ass Gauss P.A.....

132-25

115.50

147-30

165·72 117·18

. 259-20

207·90 289·60

263-15

290-62

191.50

240-40

45.20

x I5, EVM B, Twin

l x 15, EVM L, Twin

Reverb unit 58 LEAD, BASS, ORGAN SPEAKER UNITS

bs...... HDV4, I00W valve..

HDV2, 60W valve... HDV6B, 240W, s/s ..

EXV4, 120W, 4 x 12 . EXV2, 120W, 4 x 12 . EXV6B, 240W, 2 x 15

CM652D

CALREC

Speaker Enclosures: EXSVT, 240W, 8 x 10 289-60 EXB4B, 240W, 2 x 15

hn 454·10 EXB25B. 120W. 2 x 15 140·60

SR6, I20W PA, com. 584-00

Cardioid Condenser mics.

145-80

178-20

116-64

162-00

116-64

425·52 282·96

182-52

21.00

150-12

PA100 PA system ...
PA100 top
PA100 column

Hi Freg. Horn

Cover set

TION

ARBITER AMPLIFICA-

25-50 Combo...... 100·44 25-50 Cab....... 58·32 25-50 Cab w/hn.... 88·56

25-50 Cab w/hn 88-56 50-100 Combo 166-32 50-100 Cab 88-56 50-100 Cab w/hn 118-80 50-100 Cab w/hns 149-04 FG120 Amp top 150-12 FG100 Cab 4 x 12 149-04

W120 Amp top

POWER

AMPLIFICATION RANGE

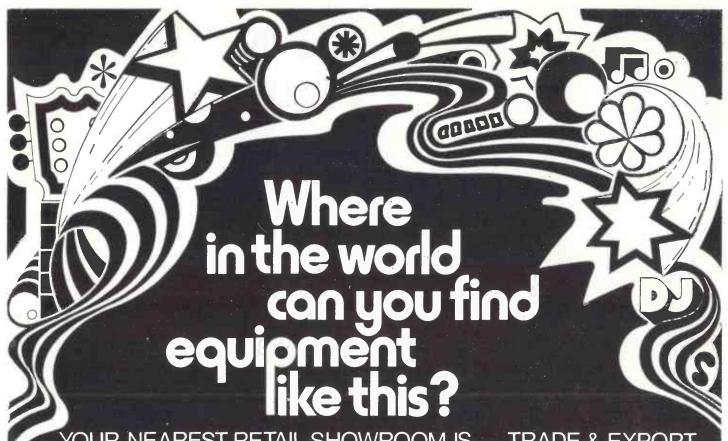
212C, 50W PA col 74-52 APK 150, 150W slave unit	150W, 2-ch bs 136-08	J. B. LANSING D120F. 80w speaker. 12 inch	1829, 60W driver 36-83	4332WX Studio mt., 3-way	MILES PLATTING V.100, 100W amp 108-42 V.50, 50W amp 87-88 PA.50, PA amp 120-81 V.50-S, 50W 2 x 12 cab 70-22 PA.50-S, 2 x 12 cols (pr) 116-46 PA.100-S, 4 x 12 cols (pr) 194-10 C.30, 30W combo 127-68 C.50, 50W combo 149-47 ZENTA CD.15.SN, 10W combo 58-81 PL.TK.15, 10W combo 71-82
range, 40W spkr. 12-96 SKIFPER CLAUDO SOUND SYSTEMS Strictly one-off custom built on app.	Mid-range horn, 1 in., 105-66 Mid-range horn, 1 in., 200W	DAVOLI Lied organ bs, 50VV. 103-88 Lied organ bs, 100VV. 142-14 Lied organ bs, 200VV. 226-80 Lied Super effects/R, 50VV	1012 PA60TC 92.07 1013 PA60S 92.07 1015 B200 142.78 1016 FH100 169.56 1017 HF100 38.24 1018 FH200 251-10 1019 FH400 367.20 1020 PA3 & 4 167.40 1021 PA60M 100.44	P&N microphone stands: GM102F, floor 13-19 GM167, floor 7-78 GM119F, boom stand 20-25 GM139, boom stand 15-54 GM102F + GM115, boom stand 20-21	CD.6.SN, 6W combo 33-87 (CD.6.STD combo 35-49 27-83 (CD.6.STD combo 33-49 27-83 (CELECTRICS ** PAU 3030, stereo, 30w p.c. 73-26
CMI 1037, 50w L&B 119-23 1038, 100w L&B 138-70 1039, 2 x 15 cab., 120w, Id	ACOUSTIC 134, gtr. amp. 326-79 135, gtr. amp. 311-90 137, gtr. amp. 350-50 155, gtr. rig 445-32 271, gtr. rig 830-35 274, gtr. rig, 2 cabs. 862-50 150, gtr. amp. 235-11 270, gtr. amp. 458-33 105, gtr. cab. 210-72	200W 254-88 B50 cab 57-32 B80 cab 95-04 B150 cab 162-00 Jolly 5 31-32 Jolly 5, Tremolo 36-18 Combo-amp., Tempest 25 Tremolo Tempest 25 Tremolo 71-28 Tempest 50 124-20	1022 \$120	GM 115, boom 7-52 GM 120, boom 9-02 GM 121, boom 10-00 GM 137, boom 6-60 GM 109, table top 7-73 GM 111, table top 8-89 GM 148, low level 9-02 GM 149, low level 10-02 Accessories: GM 150, triple mic bar 5-49	PAU 6060, stereo, 60w p.c
100w, bass 98.81 1063, 4 x 12 cab., 100w, ld 129.00 1064, 4 x 12 cab., 100w, bass 129.00 CMI	201, gtr. cab. 372-02 201, gtr. cab. 202-08 454 gtr./bs. rig 520-83 455, gtr./bs. rig 562-50 456, gtr./bs. rig 512-74 474, gtr./bs. rig 610-11	Tempest 50 Tremolo 133-38 Combo-amp., Super Studio SS500 139-32 Combo-amp., Super Studio SS1000 211-68 8092 Mix/amp., 50W . 91-80	SSH E-I Vdf pedal 72:00 SSH Vdf super pedal 89:00 SSH Phaser-filter 57:00 SSH Distort. booster 41:00	GM127, adjuster 1-80 GM166, mixer/amp. stand	Amps: 56-92 V.30 combo v/v. 176-04
1047, 2 x 10 cols, 60w, pr	475, gtr./bs. rig 651-79 476, gtr./bs. rig 622-02 450, gtr./bs. amp. 306-86 470, gtr./bs. amp. 386-91 404, gtr./bs. cab. 223-22 405, gtr./bs. cab. 235-11 136, bs. amp. 297-03 146, bs. amp. 431-55 371, bs. rig 743-45 140, bs. amp. 375-00 106, bs. cab. 229-17	Clubman, 50W 164-16 Echo Mixer 6, 100W 281-32 Mixer 12 Echo F. 453-60 Compact Mixer 6 124-20 Mixer 12/5 stereo 1179-36 VP25 spkr cab 43-24 VP40 spkr cab 57-86 DK75 spkr cab 95-04 DK95 spkr cab 112-86 DK120 spkr cab 159-84 DK180 spkr cab 183-60 Titan bs bin 170-64	FM C5EST horn. 23:00 FM C7EST horn. 48:00 FM C8 H.F. horn. 31:00 FM C35 15 cell horn. 304:00 D2 Multicell driver. 57:00 D4 Driver. 57:00 D5 Driver. 62:00 E2-E4 Network 3-way E2-E4 Network in housing. 60:00 Dest double entry. 11:00	Model 10	AP50 combo s/s. 187-92 Exp. 15 combo s/s 267-06 V100 valve 156-60 AP100 s/s 124-20 RR50 flat resp. 85-32 FR100 flat resp. 103-68 Spkr. cabs.: B1 1 x 18 100w 102-60 B2 2 x 15 100w 124-20 B3 1 x 15 50w 84-25 D4 4 x 12 120w 145-80 T50 2 x 12 60w 89-64 PA Equipment: PA100 w/rvrb 159-84
1072 100w L & bs. 127-57 1073 50w PA . 118-84 1074 100w PA . 153-50 1075 100w Slave . 111-36 CMI 1070, 50w combo . 173-05 CMI 1060, sound/light control	301, bs. cab. 398-80 853, P.A. system 800-60 300, power amp. 236-31 850, mixer amp. 502-97 803, P.A. col. 163-69 804, P.A. col. 148-81 SOUND CITY Amplifiers:	Exponential bs bin 152-12 Disco Junior, 50W 149-04 Phonodoppler, 65W 211-68 Transistor slave 200W 131-76 Sky stand 12-96 Sky stand, de luxe 19-44 Echo unit, tape 166-32 Echo unit, disc 311-04 Stereo slave 100 x 100 140-40 K 205 Organ 1790-00	Minstrel 2. 19-60 Super Minstrel 2. 24-30 Maestro. 43-74 Phase 50 43-96 Super 50. 63-72 Phase 100, 2 amp. 73-98 Super 100 amp. 82-94 P100 Slave. 41-90	18 204-00 60 369-00 825 360-00 760 combo 447-00 760 walnut 457-00 910 623-00 950 1125-00 9420 combo pre-amp 81-00 9370 combo pre-amp 75-00	2 x 12 col. 60w w/hn 117-72 Ring modulator 85-54 Phaser pedal 32-40 Graphic e/q 32-40 Reverb unit, mains 48-60 Echo unit 83-70
1061, lighting cabs., set 3	Studio 20 35·15 50+ 82·86 50+ Reverb 98·77	Davolisint 214-92	PA200 slave 57-94 120, 6 amp 96-98	9340 combo pre-amp. 45:00 9875 combo pre-amp. 58:00	JOHN BIRCH Penetrator:
1041, minireverb mixer, 6 chan	PA 50 104-63 PA 50+ Reverb 132-25 120+ 114-67 120+ Reverb 133-92 PA 120 128-09 PA 120+ Reverb 156-52	Consoles: Studio 100 glitter flk. 268-92	50, 1 x 12 cab 31-86 100, 2 x 12 cab 56-92 Duo 100, 2 x 12 cab 97-74 Major, 4 x 12 cab 87-97 Disco 87-97 Disco pre-amp 18-50 Power Disco 129-60	HH ELECTRONIC IC.100, I/b/o, 100W. 143-96 IC.100S, I/b/o, 100W. 113-83 IC.100 combo 194-18	15in. Crescendo. 15i-20 15in. Gauss. 183-60 12in. Crescendo. 102-60 12in. Gauss. 129-60
1053, G15M, 50w 22-98 1055, G18C, 100w 41-23 1056, S10, 15w 5-49	SMF (Tours)	Mini 100S std, plain. 214-92 Speaker Systems: 2 x 12 120w glit, flk. 93-96 2 x 12 120w std, pln. 83-16	PA 200 cols (pr) 146-88	IC.100-S combo 174-10 MA.100, 5-ch PA 137-27 MA.100-S, 5-chan PA . 117-18	YAMAHA
J. T. COPPOCK	Slave 120		RSC 350 Rotating	S.130 slave, 130W 87-05 LOUDSPEAKER SYSTEMS	YTA15 combo 97-20 YTA25 combo 107-02 YTA45 combo 185-56
Telepin 124-50 100w Lead 124-50 100w Bass 124-50 100w Stereo 137-50 100w Stereo 137-50 100w Stereo 130-50 100w PA Slave 86-50 100w PA Slave 86-50 86-50 100w PA Slave 86-50 100w PA Slave 148-00	Combination Amplifiers: Elem 50-22 Pro-Artiste 30 82-03 Pro-Artiste w[tr/rev 98-77 Standard Concord 159-03 Speaker Cabinets: L60 Lead cab 78-09 B60 Bass cab 78-09 PA60 Col (pairs) 132-25 L110 Lead cab 110-48 B110 Bass cab 110-48 BA110 Col (pairs) 175-77 L140 Lead cab 127-22 B140 Bass cab 127-22 B140 Bass cab 127-22 PA140 Col (pairs) 236-50	DJ ELECTRONICS DJ Powermaster 100. 74-84 DJ Powermaster 150. 94-44 DJ Stereo-amp. 200. 129-60 DJ 100, 100W slave. 64-15 DJ Disco-amp., 100W 98-01 Disci Disco-Vox, 100W 332-64 Stereo Mini 126-80 Prince, 50W cab 47-52 Consort, 100W cab 82-08 Sovereign, 100W cab 106-92	RSC 350 Rotating sound cabinet, 160-watt amplifier	412 BL, 200W, 4 × 12. 147·31 2 × 12, 70W PA, d/c. 93·74 215 BL, 200W, 2 × 15. 164·05 UNIT PA Radial horn, 50W 97·09 115 Bs compact 100W 102·96 Speaker stand 21·76 HOHNER★ Orgaphon 33 MH 250·95 Orgaphon 55 MH 338·25 Orgaphon 60 N 366·55 Super Reverb 62 432·05	YTA95 combo 244-47 YBA45 combo bs 136-47 YBA65 combo bs 231-70 Lead Stacks: PE200 130-57 TS100 195-38 YTA100 325-95 PE200 130-57 TS110 240-54 YTA110 371-11 PE200 130-57 TS200 333-81 YTA200 464-38 Bass Stack: BE200 109-96
4 x 12 cols. (pair) 191-50 2 x 12 cols. (pair) 122-50	M.S.30 Mt	Royale, 100W cab 194-40	4311 Control mt T.B.A. 4311WX Control mt. ,,	Schaller Solo Uni 67-50 130GB 314-25 OTS 130 skpr 248-75	BS100 267-05 YBA100 377-00 YHS100 hn spkr 165-92
CUSTOM SOUND	AC30 Comb Amp 170-75 AC50 Amp T.B.A. Microphone 30-13	Custom-built, prices	4320 Studio mt, 4320WX Studio mt ,, 4330 Studio mt, 2-way .,	Leslie 830 789-60 MARLBORO GA2 5w amp 24-70	PA and Ensemble: PM200
Amps: 60W, 2-ch. 97-20 60W, 2-ch bs. 103-68 60W, 6-ch PA. 123-12 100W, 2-ch gtr. 106-92 100W, 2-ch bs. 113-40 150W, 2-ch gtr. 129-60	Mic stand 8-37 Boom stand 13-39 Wah Wah 14-95 Tone bender 11-70 Distortion booster 8-19 Treb bs booster 8-79 Percussion unit 8-79	ELECTRO-VOICE FC100 horn 37-48 1823, 110W driver 36-18	4330WX Studio mt, 2-way, 4331 Studio mt., 4331WX Studio mt., 2-way, 4332 Studio mt., 3- way,	GA3 8w amp	YPA150. 554-72 PM200. 2110-09 PS100, pr. 468-32 YPA200. 679-41 EM60A 115-85 ES60A, pr. 68-73 YES600A 184-58

per pair 255-92 2 x 12, 100 w C cab 88-83	Combination amplifiers: 2040 Artist Reverb 212-51	P.A.60H column 97·20 Goliath 50, Mk. II 77·56	Series III, mono 302-94 Series III, a stereo 301-32	118MH 360-00 212S	Bass 210w, 1 x 18 453-60 Bass 210w, 2 x 18 631-80
4 x 12, 200w C cols. per pair 228-10 4 x 12, 400w G cols.	2049 2 x 12 Artist 123.06 2069 4 x 12 Artist 149.82 2056 2 x 15 Powercel. 341.71	Speakers: Lead 100	Series Illa, mono 239·76	215SH	F800G 410w, 4 x 15 712·80 Bass 210w, 2 x 15 372·60 Bass 210w, 4 x 15 534·60
4 x 12, 100w C cab 115-19 4 x 12, 200w G cab 144-97	2052 x 15 Powercel, Bs Boost 199-09	Compact 50R SV Re- verb	SOUNDOUT	215S	15 + hns
200w Slave 165.66 6-channel Mixer 164.88 Speaker systems	1990 8 x 10, 100w 145-60 2064 1 x 12 Powercel. 142-63 2065 1 x 15 Powercel. 166-40	Zodiac 100 SV 114-38 P.A.100/6 SV Reverb . 146-78 P.A.100/4 SV 107-51	Power Pak 30 85:00 Bass 30 75:00	610M	Roadmaster 200w 8 x 12
6-channel, I20w PA 187-00 I20w Slave 124-33	2045 2 x 12 60w 86·85 1995 1 x 12,50w 67·96	Treble 'N' bs, 50 SV Reverb 92-19	Mighty Atom amp 25-00 Compact 10 33-00 Power Pak 15 48-00	412S	+ hn 437·40 Musician 210w, 4 x 12 405·00 Musician 210w, 8 x 12 567·00
Item Amplification 120w SL 130.08 200w SL 175.76	1982-1982B 4 x 12 ea. 159·03 1960-1960B 4 x 12 ea. 145·60 1935-1935B 4 x 12 ea. 145·60	VALVE Treble 'N' bs, 100 SV 92.05 Treble 'N' bs, 50 SV. 78.45	6-ch mixer	Model 81P	Musician 210w, 4 x 15 383·20 Musician 210w, 2 x 15 + hn. 437·40
NICHOLLS *	1989 50w Org 118-42 Speaker Cabinets:	SL 100 slave 129-60 PA 100 184-58	Reverb mixer 42·00 Dopplatone 42·00	Model 81 897-00 Model 80P 897-00	Festival 110w, 8 x 12. 567.00 Musician 210w, 2 x 15 405.00
Session Master reverb 225-00	1992 100w Bs 167-90 1986 50w Bs 118-42	Futurama 3 16-59 L + B 100 176-24	SOLA SOUND ★	Concert Controller II: Model 80 747-00	Festival 110w, 2 x 15 + hn 437.40 Festival 110w, 4 x 12. 380.70
MP 50, 2 x 12 combo. 108-50 MP 50, 1 x 15 combo. 93-00	1987 50w lead	15 SS	12019 Guyatone Rev. 27-25	AMPLIFIERS Studio PA	Festival 110w, 2 x 15. 380-70 Festival 110w, 4 x 15. 567-00
MP 50	Amplifiers: 1959 100w lead 167-70	Lead 100	12009 Disco Dex Pro. 205-00 11001 Echo Dek 79-50	Coliseum 880 597-00 MIXER & MIXER	Standard 130w, 2 x 15 340-20 Standard 130w, 4 x 12 348-30
FLAME	MARSHALL	SOLID STATE	12010 Disco Dex MkIII	Concert bass 276-00 Coliseum bass 570-00	Century 60w, 1 x 13. 243-00 Century 60w, 2 x 12. 291-60 Standard 130w, 2 x 12. 307-80
N.B.★	ROSE-MORRIS	SELMER	combo amp 182-00 12008 Disco Dex MkIIIA 209-25	190B	Vintage 110w, 2 x 12. 291-60 Vintage 110w, 4 x 10. 324-00 Century 60w, 1 x 15. 243-00
371 system 630-00 271 system 675-00	Echochord Super 359-92	MA1006 42-12	12056 4 x 12 cab 126-50 12075 60/100 Pro-	Coliseum lead 570.00 Coliseum 880 597.00 BASS AMPLIFIERS	Classic 50w, 4 x 10 226·80 Deuce II 110w, 2 x 12 291·60
Ampeg V2 system 395-00 ACOUSTIC:	Magic HS	MA505 pr 91.80 MA506 pr 74.52	12057 Tri-Tone cab 131:00 12064 2 x 15 cab 145:65	Model T 420·00 Concert lead 330·00	PEAVEY Classic 50w 2 x 12 186·80
Ampeg B I5N porta- bass	D.310 H, 80w cab 268-92 D.350, 80w cab 262-44	MA501 pr 200-88 MA500 pr 137-70 MA503 pr 102-60	12062 2 x 12 cab, hn. 95.00 12066 1 x 15 cab, hn. 84.95 12065 1 x 15 Bs cab. 72.80	GUITAR AMPLIFIERS 190L	bass cab 262·70 300w, 2 x 15 lead cab 187·50
AMPEG Ampeg V4 stack 565-00 Ampeg V4 B system. 575-00	Gigant	MP1005 97·20 MP1009	12016 GE100 amp 157-75 12055 2 x 12 cab 80-00	UNITS Studio lead	85w, Slave 77.50 300w, Horn folded
PLAQUET *	Eminent 100	MP1004 124-20 MP1003 194-40	amp	SELF-CONTAINED	147w, push button amp
MAURICE	HiFi Favorit II 285·12 G.2002 427·68	MP1011 124-20 MP1012 210-60 MP1013 178-20	12067 50 amp 89.95 12011 AP100 amp 123.75 12013 Super AP200	SUNN *	147w, L/B/O amp . 119·45
M18A, 200W driver . 86-90	Bassking T Bass amp. 174-96 Imperator Bass amp. 233-28 B.1001 b/o amp. 388-80	MP1010 178·20 MP1000 155·52	12050 AP100 Tri- sound amp 112.00 12067 50 amp 89.95	horn 227-15	THOR★
M15C, 100W driver 19-36 M15C, 100W driver 32-07 M15E, 100W driver 32-07	Perfect combo 362-88	SA50T T+B 81.00 Cabinets:	100w 121·50 12028 Add-on hns 46·00	H-50, 70w tweeter horn	337/2
M2000, 2000 W amp . 1792-80 M12A, 50 W driver 19-36 M12C, 50 W driver 19-36		SA280S stereo slv 162-00 SA150S slv 123-72 SA60S slv 72-90	hn, pr 128-75 12059 RCF hn unit	3200-B, 120w bass horn cab 427-90	driver
DC300 A 453-60 M600, 1000W amp 896-40	B. L. PAGE	Disco IV	12003 x 12 PA cob, pr	p.a. cab 186-45 3140-B, 140w p.a. cab. 156-45	511B, Sectoral hn 49-01 808/8A, 30W H/F
D60 amp	115/120, 120w, combo 254-10 115/120R, 120w, com. 294-03	Disco IV/s Pro 189.00 Disco IV/s Standard 174.96	12054 2 x 12 PA cols, twin hn, pr 165.75	370-B, 70w horn p.a. cab	604E, 15 in, duplex, 35W 150-24
CROWN INT/AMCRON	with Hammond re- verb 239-58	DSI stereo disco 267·30	12026 H.100 PA cols. 215.00 12069 4 x 8 PA cols, pr 144.00	2100-BB, 100w bass cab	601-8D, 12 in, duplex, 20W 81-96
MACINNES	112/120, 120w 135·52 115, 80w combo 199·65 115/R, 80w, combo	S.A.I.	12052 100 TSL slave 92-25 12068 PA Bin 169-90	2050-8B, 100w cab 163-60 2100-GB, 200w cab 206-60	418-8H, 15 in, 150W. 69-77 421-8H, 15 in, 150W. 81-00 425-8H, 10 in, 75W. 55-25
Custom Built Lighting P.O.A.	1500w, Slave 907·50 110, 200w 353·92	P300R rack mount kit 6.60	12051 Vocal Blender . 169.90 12058 Hammond Rvb mxr	K-95 Bass Baby com- bo 285.00	Components: 417-8H, 12 in, 100W. 64-67 418-8H 15 in 150W 69-77
110 Spkr. Cab 30-25 Custom Built Sound. P.O.A.	111/80, 80w, graphic Slave	A3S-C Console stand 26-84 A3S-S Speaker stand 10-56 A3IPC-S Monitor cov. 8-36	SIMMS-WATTS	K-85 Power Baby combo 256-45	amp 281-38 Music Speakers and
5210 Spkr. Cab 96.00 412 Spkr. Cab 101.50	111, 120w, graphic Stave	A3PC set of covs 29-48 A3PC-S Speaker cov. 10-56	SIMMS_WATTE	MP10, 10-chan, mixer 577-15 MP-16, 16-chan, mix., 1427-90 EX-2 cross-over 113-60	L/F, 30W H/F 245·46 9477B, I30W power
8000/M 8-ch. mixer 493·00 8000/MP mixer P.O.A. 5112 Spkr. Cab 94·50	104/TX150, 150w, 6 chann. PA 254·10 103, 200w, Slave 317·62	PM300E Booster amp. 171-60 A3PC-C Console cov. 8-36	Combo Pre-amp d/I 36:86 Reverb	SL200, 240w slave amp 177-90	Amplifiers: 77 IBX bi-amp, 60W
105 5-ch, mix and PA . 145-00 4000/M 8-ch, mixer 372-00	102/80, 80w, graphic PA	VA302E-C Control Console 396.00	2300, de luxe 424·14 5300, de luxe 654·92	SL100, 120w slave amp 127-90	9849A, 60W 270·00 9846BX (powered) 664·63
101 Power Amp 87.00 102 2-ch. mix and PA 135.00	custom PA (prof.). 471-90 102, 120w, graphic PA 142-78	umn	Combo Pre-amp 33-21 2200 266-43 2100, de luxe 404-70	top	9845A, 50W 444-93 9846-8A, 100W 468-76 9848A, 200W 804-60
L.S.E.	PA 239-58 105, 6 chann., 200w,	SHURE VA300S Speaker Col-	5200, de luxe	2120-A. 120w amp.	Studio Monitors: 9844A, 30W 336-53
Lem Audio road po 464-05	Vitavox S3 217-80 AMPS 104B, 6 chann., 120w,	9641 w/tremelo 25·95 9642 Leoten 37·75	2000 Professional 302-94 5000 392-30	2100-A, 100w amp. top	828B spkr cab 91-80 815A L/F hn. cab 123-12
cabs	108/V Horn unit de luxe, 100w , inc.	LEO PORTABLE AMPS	Sharmette 231-21 2000 Traditional, d/l. 306-18	STRAMP★	1217A col. spkr, 75W 243·00 612C spkr cab 64·26
LG300 PA cab 305-25 Telescopic stands 24-20 911 Bass amp, 2 x 15	for col. (pr) 169-40 108 Horn unit, 100w. 163-35	ROSETTI	500		1219AX power l/spkr 570-71 1207C col. spkr, 75W 189-13 1211A col. spkr, 50W 141-38
LP60 PA cab 113·37 LG100 PA cab 193·87 LG300 PA cab 305·25	HORNS 106/HO Horn units	1995 x 2 Spkr Cab 67-96	ORGAN SPEAKER CABS.	1812/D	1205BX power I/spkr 558-14 1209BX power I/spkr 554-90
Voltage regulator 61-05 Flight case 29-70	106, 4 x 12" anti-feed- back col	1993 2-Deck Disco 175-54 1994 Slave Amp 97-98	SHARMA	L/215Z price on applic. L/415Z price on applic. 1812/S	1225A, portable H/F hn, 100W 428-87
100W amp 111-37 180W amp 156-75	horn, 4 horns and cross	Accessories: 2066 Distribution Box 73-66 Disco Units:	column 86-89	D/412ZS 163·15 L/412Z price on applic.	1218A, 50W 3/0.8/ 1215A, folded L/F hn, 150W 270.00
Baby Lem mixr/amp. 247-50 Studio Lem mixr 412-50 Rack 57-75	107, 2 x 12" Monitor, 60w	2056 2 x 15 Powercel. 341-71 2057 Single H/F Hn 159-67	SG812HD PA, head only 348-55 SG812COL, half PA	S/412Z 116-35 D/412Z 147-38	1204B, 50W 356·40 1208B, 50W 353·16 1218A, 50W 370·87
Saturn GR50 top 99.00 Pro. Lem mixr 206-25	2 x 15" 200w 290·40 109, 4 x 12" 120w 143·99	2043 2 x 12, 2 x 10 pr. 254-28 2047 1 x 12, 1 x 10 167-45	SG215 bass amp 345-60 SG812 PA system 686-29	D/412P (pair) 280-34 DH2/212P 206-38 DH2/215P 247-56	VOICE OF THE THEATRE PROJECTS
Mars GR30 combo 107-25 Saturn B50 top 82-50	15" 120w 217-80 113/200 Reflex Bass.	2051 Transistor Slave 183-64 PA Speaker Cabinets:	SG140 amp 431·02 SG610 amp 489·93	S/412P (pair) 225-50 D/212P (pair) 148-10	ALTEC
Venus G20 combo 66·00 Mars B30 combo 90·75	114/110 Bass, 100w, x 15" inv. horn 217-80 113 Reflex Bass, 2 x	Extra channels 31-22 2070 12-ch Stereo Mixer 1070-00	SG212A amp with Al- tec speakers 519:38 SG115J amp 480:11	120SS S/212P (pair) 120-00	PROJECTS
LEM	114 Bass 60w, 1 x 15" inv. horn 154 88	1994 Transistor Slave 97.98 2050 9-ch Mixer 331.75	GIBSON SG SYSTEMS SG212 amp 436-91	120SMp. amp. top 125-00 120PA TBA	THEATRE
BS plus CB	CABS	1917 20w Set-up T.B.A. 2071 6-ch Mixer 68:30	Thor bass amp 195-38 Super Thor bass amp . 303-38	SPECTRUM *	Model 81
Curved Boom 49 in. 9-58 BS plus LB 21-00 BS plus XLB 21-50	ORANGE *	2078 Transistor Ld 243-13 PA Amplifiers : 2003 100w 6 i/p 185-35	G-70		Model 62
Long Boom 41in 8-58 Extra L/boom 52in 9-08	two Middax horns, 150w	2046 Specialist Rvb 111-15 2077 Transistor Bs 243-13	G-30	DL3, 100W F/rng 176.58 DL5, 200W F/rng 218.66	Model 60
YES1300	Horn systems 4 x Middax horn cab. 129-39 2 x 12 shaped cab.	2068 Artist Rvb Amp only 177-58 2069 4 x 12 Cab 149-86	G-10	Loudspeakers: HEIc, I x I2,50W 48.60 HE2c, 2 x I2, 100W 81.65	Model 40
ES130, pr	cab	only 136-60 2049 2 x 12 Cab 123-06	TV-20 P.A. co umn 68-24 GIBSON	Series V., mono 199-26 Series V., mono 255-96	CONTROLLER OPTIONS
ES90A, pr. 98-18 YES900A 277-85	cab	2059 100w Artist 327-43 2048 Artist Rvb Amp	All-purpose 50 82.47 TV-35 P.A. co umn 48.99	Series IVa, mono	410M 348-00 CONTROL AUDIO-
EM90A	2 x 12, 100w G shaped	2041 Artist Reverb 259-65	All-purpose 100 106-92	Series III, stereo 408-24	

F800B 410w, 4 x 15	Slave 100 Amp. 116.64 Slave 200 Amp. 187-92 Ld 50w 4 × 12 cab. 124.74 Ld 100w/bs 50w 4 × 12 cab. 140-94 Ld 150w/bs 75w 4 × 12 cab. 155-52 AP 2 × 15 hn. bin, 100w 194-40 100w 2 × 15 Bs Ref. cab. 162-00 20w 4 × 12 Bs Ref. cab. 252-72 4 × 12 PA col., 100w 142-56 4 × 12 PA col., 150w 198-88 4 × 12 PA col., 150w 198-88 4 × 12 PA col., 150w 198-88 4 × 12 PA col., 150w 198-89 5 × 12 PA/Mt. Cab. 250-72 7 × 12 PA/Mt. Cab. 250-72 Twin-Turntable Disco 262-44 Type B 8-ch. mixer. 495-72 Twin-Turntable Disco 262-44 Type B 8-ch. mixer. 50w 2 × 12 Comb. amp., Ld 171-72 Type B 8-ch. mixer. 50w 2 × 12 Comb. amp., Ld 171-72 Type B 8-ch. mixer. 50w 2 × 12 Comb. amp., Ld 171-72 Type B 8-ch. mixer. 50w 2 × 12 Comb. amp., Ld 171-72 Type B 8-ch. mixer. 50w 32-00 TRIUMPH ★ TRIUMPH ★ JOHNSON 15, 5w combo. 32-00 J15, tremelo. 36-00 J15, tremelo. 3	J/212 F cab	Clubman 6w, 10" spkr Westminster 10w amp, 12" spkr	PA.200, 6-channel full mix amp. (200w RMS)	YCV-188 x 8" Vega cab 300 w 272-16 YCV-215 2 x 5" Vega cab 400 w
PA 600, 2 cols., 4 × 12 + hn., ea	1100 PV p a amp	15 in. Loudspeaker. 70-00 S.3 Pressure unit. 80-00 H.F. Horn CN157 43-35 500 Dividng Ntwrk. 25-00 2205/531 Multicell Hn CN129 363-85 VOX★ AC30 170-75 AC50 TBA WALLACE★ AC.3500XT, Mk. IV, 40w amp	Vendetta	YBA-I 50w, bs	88 FB.3, 3-way wedge 261-88 620 FB.5, 2-way wedge 237-60 628 HU.1 H/F horn unit 151-20 620 IC.1/I Reflex, 1 x 15 129-60 630 IC.3 Reflex, 1 x 15, bs 129-60 640 IC.4 Reflex, 2 x 15 216-00 640 IC.4 Reflex, 2 x 15, bs 216-00 640 IC.4 Reflex, 2 x
D. H. BALDWIN GRETSCH Outflts: 4027 Rock 'n Roll 4028 Black Hawk 4015 Name Band 4015 Progressive Jazz 4002 One Nighter Plus 4007 One Nighter Plus 4007 One Nighter Plus 4150, 14 × 5 4160G, 14 × 5 4157, 14 × 5 4157, 14 × 5 4157, 14 × 5 4190, 14 × 5 4191, 14 × 6 4191, 14 × 6 4191, 14 × 6 4191, 14 × 6 4192, 15 × 8 4193, 15 × 8 4193, 15 × 8 4194, 15 4194, 15 4196, 20 × 16 4260, 26 × 14 4260, 26 × 14 4260, 30 × 16 4271, 26 × 14 4273, 30 × 16 4277, 28 × 14 4277, 30 × 16 4271, 20 × 17 4111, 24 × 14	4115, 26 × 14 , , , , , , , , , , , , , , , , ,	7392, 15" 29-65 7393, 16" 31-80 7394, 17" 34-16 7395, 18" 38-68 7395S 45-11 7399, 19" 40-98 7396, 20" 45-11 7396S 45-11 7396S 52-32 7400, 21" 50-16 7397, 22" 56-95 7397S 63-80 AVEDIS ZILDJIAN BRILLIANT 7387B, 10" 19-58 7390B, 13" 26-30 7391B, 14" 31-00 7392B, 15" 33-27 7393B, 16" 35-53 7394B, 17" 37-84 7395B, 18" 42-36 7395BS 49-17 7396BS 56-00 7396BP 56-00 7396BP 56-00 7396BP 56-00 7396BP 56-00 7396B, 20" 49-17 7397B, 22" 60-57 7397BS 67-45 7397BH, 14" 54-66 7391HH, 14" 54-66 7391HH, 14" 54-67 7391HH, 15" 59-29 7393HH, 16" 63-61	Londoner VI	Supreme II 18-3	16

28" Symphonic 151-74 Stand	Weatherking: 14" Snare	To avoid unne	cessary repeti-	217111, Outfit, Crys- talite	5215. 13"-14". High
Stand	12" Tom Tom 3-23 13" Tom Tom 3-50	tion, certain ab		glass	5216, 14"-15", High
Stand 60-26 34" Symphonic 345-82	14" Tom Tom 3-65 16" Tom Tom 4 08 17" Tom Tom 4:37	frequently used	in our listings:	217301, Outfit, Fibre-	High Hat Matched Pairs
Stand	18" Bass Drum 6:08 20" Bass Drum 6:78		custom - ctm;	glass	5244/2, 14" 54-68
	22" Bass Drum 7-30 23" Timpani 8-81	semi-acoustic -		217401, Outfit, Fibre- glass	0 Avedis Zildjian Brilliant
CLEARTONE *	24" Timpani 9-39 25" Timpani 9-96	org; professiona	- ac; folk - fk;	talite	
SLINGERLAND Outfits:	26" Timpani 10-45 27" Timpani 10-70 28" Timpani 11-03	bass - bs; string		glass	N 5234 IE" 33.30
4N Lacquer 20" 375-82	29" Timpani 11-60 30" Timpani 13-76		o; piano - pno;	shaftesbury	0 5338, 17"
4N Pearl 20". 405-89 4N Chrome 20" 417-48 4N Lacquer 22" 381-60 4N Pearl 22". 411-70	32" Timpani 15-42	left hand - I/h;		OUTFITS Module 5050	0 5341 22" 60.58
4N Chrome 22 423-26	Outfits: 980 Super Classic 460-35	- cs; banjo - bjo	o; monitor - mt.	Module 5055 187-5 Module 5060 185-5 Module 5555 251-2	0 5197, Cymbal Polish,
50N Lacquer 460-86 50N Pearl 492-69	983 Hollywood 527-31 S.C. 24" bs drm 468-72		132, 22 x 17" 59·29	5226 Cymbal arm 6·4 5228 Tom-Tom holder 11·8	3 Super Zyn 1 5172, 12"
50N Chrome 507·15 60N Lacquer 541·54 60N Pearl 587·81	Big Beat	Bass Drums: G230 80.75	125, 24 x 17" 69.01 Super Zyn Cymbals:	SHAFTESBURY ACRYLIC OUTFITS	5173, 13"
60N Chrome 604-01 58N Lacquer 429-04	Octa-Plus 1012-77 Snare Drums:	G231	352, 12"	Module 5030, Clear 267-4 Module 5030, Tinted . 276-0 Module 5035, Clear 300-6	0 5176, 16" 20-08
58N Pearl 434-84 58N Chrome 449-29	400 Supra-Phonic 88·72 402 Supra-Phonic 93·74 404 Acrolite 65·29	Bongos: L823	354, 14"	Module 5035, Tinted. 311-9 Module 5040, Clear 336-6	0 5178, 20" 27.95
80N Lacquer 506-81 80N Pearl 544-43	405 Piccolo 80-35 410 Supersensitive	L824 80·75 L841 32·65	355, 15"	Module 5040, Tinted. 348-4 SHAFTESBURY DRUMS	5 5 1 4, 12"
80N Chrome 562-24 IN 20" Lacquer 426-16 IN 20" Pearl 455-09	14" x 5" 132.25 411 Supersensitive	Hi-Hats: Z5451 16-90 Z5452 35-70	358, 16"	5420, 20" x 12" bs 59.6 5422, 22" x 14" bs 62.3 5424, 24" x 14" bs 70.9	8 5124, 15" 5.69
IN 20" Chrome 469-54	14" x 6½" 135·59 PEARL	Zyn (standard): 272 3·25	360, 20″	512, 12" x 8" Tom-tom 34.0 513, 13" x 9" Tom-tom 35.9	8 5121, 18" 9-20
IN Lacquer 22" 431-94 IN Pearl 22" 460-87 IN Chrome 22" 475-32	Outfits: Powermate Wood/	274 4-50 275 5-20	362, 22″	516, 16" x 16" Tom- tom 52.9	5198S, 20" 5izzle 11·72 5 5125, 22"
57N Lacquer 731-79 57N Pearl 783-87 57N Chrome 811-64	Fibreglass 309-69	276 6·40 278 8·45	272, 12"	422, Snare aluminium 39·2 423, Snare wood 38·7 SHAFTESBURY	6 5257, 10" 2.00
2R Lacquer 429-05 2R Pearl 469-54	Powermate Black 284-58 Big Shot	268S 8·55 280	274, 14"	ACRYLIC DRUMS (Normally only available t	5258, II"
2R Chrome 484-01 14N Lacquer 564-36	Dynamax 184-14 Snare Drums:	269S 10·75 282	275, 15"	special order) 5031, bs, 20" x 12",	5263, 14"
14N Pearl	4514 Chrome 31-81 4714 Chrome 26-78	HOBBIDY CVEWEC	276, 16"	clear	5 5265, 16" 6·11 0 5273, 18" 8·54
9N Pearl 394-33 9N Chrome 407-07	Pedals & Stands: 805 Hi-Hat Ped 14-23	HORNBY-SKEWES	269S, I8"	5037, bs, 22" x 14", clear	OFIF CIMBALS
65N Lacquer 456-23 65N Pearl 484-01	706 Snare stnd 8·37 703 Cymbal stnd 5·86	BEVERLEY Outfits: Galaxy 18	269S, 20"	5038, bs, 24" x 14", clr 115-7 Ditto, tinted 118-6	5 5207, 33cm, 13" 9.32 5 5207, 33cm, 13" 12.91
65N Chrome	710 Bs Drm ped 10:04 810 Bs Drm. ped 25:00	Galaxy 21 240·20 Galaxy 24 249·15	Heavy Pairs Super-Zyn: 374, 14"	5032, Tom-tom, I2" x 8", clear 45.4	5208, 35cm, 14" 15·70
	72 Da Dam Anahaa 1.44	Galaxy 27 277 13	275 15" 52 70		[™] 5209, 38cm, 15″ 17·91
IIN 2 x 24 Pearl 986·03 IIN 2 x 24 Chrome 1014·94	721 Bs Drm. Anchor. 1.46	Panorama 21 270-22 Panorama 22 364-93	375, 15"	Ditto, tinted 47-1 5033, Tom-tom, 13" x	5210, 40cm, 16" 20.02 5211, 45cm, 18" 28.90
IIN 2 x 24 Chrome 1014-94	721 Bs Drm. Anchor. 1.46	Panorama 21	375, 15"	Ditto, tinted	5 5209, 38cm, 15" 17-91 5 5210, 40cm, 16" 20-02 0 5211, 45cm, 18" 28-90 0 5212, 50cm, 20" 35-10 0 5213, 55cm, 22" 47-42 5214, 60cm, 24" 65-19
IIN 2 × 24 Chrome 1014-94 DALLAS	DAVOLI UFIP CYMBALS	Panorama 21 270-22 Panorama 22 364-93 Panorama 24 314-16 HOSHINO Outflts: HM1000 151-75	375, 15". 52:70 376, 16". 57:78 Zyn: 232, 12". 9:28 233, 13". 10:90 234, 14". 12:96 235, 15". 14:58	Ditto, tinted	5 3207, 36cm, 13 17.71 5210, 40cm, 16" 20.02 0 5211, 45cm, 18" 28.90 0 5212, 50cm, 20" 35-10 5213, 55cm, 22" 47.42 0 5214, 60cm, 24" 65-19
DALLAS HAYMAN Outfits – less stands:	DAVOLI UFIP CYMBALS RITMO 10" 9-50 11" 10-26	Panorama 21	375, 15". 52:70 376, 16". 57:78 Zyn: 232, 12". 9-28 233, 13". 10-90 234, 14". 12:96 235, 15". 14:58 236, 16". 16-09 Tom-Toms:	Ditto, tinted 47-1 5033, Tom-tom, 13" x 9", clear 47-4 Ditto, tinted 49-0 5036, Tom-tom, 16" x 16", clear 72-6 Ditto, tinted 75-0 5034, Snare drum, clr 55-2 Ditto, tinted 55-6	5 229, 38cm, 15
DALLAS HAYMAN Outfits - less stands: 2221 Pacemaker 200.42	DAVOLI UFIP CYMBALS RITMO 10" 9-50 11" 10-26 12" 11-12 13" 13-82	Panorama 21 270-22 Panorama 22 364-93 Panorama 24 314-16 HOSHINO Outfits: HM1000 151-75 HK600M 35-77 HM2000 187-95	375, 15" 52:70 376, 16" 57:78 Zyn: 232, 12" 9:28 233, 13" 10:90 234, 14" 12:96 235, 15" 14:58 236, 16" 16:09 Tom-Toms: 442, 12 × 8" 29:26 433, 13 × 9" 32:29 444, 14 × 8" 35:53	Ditto, tinted	5 220, 38cm, 15" 17.91 5 210, 40cm, 16" 20.02 0 5211, 45cm, 18" 28.90 0 5212, 50cm, 20" 35.10 0 5213, 55cm, 22" 47.42 0 5214, 60cm, 24" 65.19 0 Red Sound 0 5145, 30cm, 12" 4.90 0 5146, 33cm, 13" 8.00 5 147, 35cm, 14" 9.48 5 148, 38cm, 15" 10.80 5 149, 40cm, 16" 12.86 5 155.0, 45cm, 16" 17.91
DALLAS HAYMAN Outfits – less stands: 2221 Pacemaker 220-42 2222 Big Sound 228-15 2219 Showman 22" . 278-42 2219A Showman 24" . 288-69	DAVOLI UFIP CYMBALS RITMO 10" 9-50 11" 10-26 12" 11-12 13" 13-82 14" 17-56 15" 18-90	Panorama 21 270-22 Panorama 22 364-93 Panorama 24 314-16 HOSHINO Outfits: HM1000 151-75 HK600M 35-77 HM2000 187-95 KEMBLE YAMAHA-Outfits	375, 15". 52:70 376, 16". 57:78 Zyn: 232, 12". 9-28 233, 13". 10-90 234, 14". 12-96 235, 15". 14-58 236, 16". 16-09 Tom-Toms: 442, 12 x 8". 29-26 433, 13 x 9". 32:29 444, 14 x 8". 35:53 440, 14 x 10". 38:55 445, 14 x 14". 45:57	Ditto, tinted 47-I 5033, Tom-tom, I3" x 9", clear 47-4 Ditto, tinted 49-0 5036, Tom-tom, I6" x 16", clear 72-6 Ditto, tinted 75-0 5034, Snare drum, clr 53-2 Ditto, tinted 55-6 SHAFTESBURY POWERDRIVE STANDS 5409, Twin bs drum pedals, pr 61-I 5410, Hi-Hat 23-8	0 5145, 30cm, 12" 4.90 5 5146, 33cm, 13" 8.00 5 5147, 35cm, 14" 9.48 5 148, 38cm, 15" 10.80 5 149, 40cm, 16" 12.86 5 150, 45cm, 18" 17.91 0 5157, 50cm, 20" 20.46
DALLAS HAYMAN Outfits - less stands: 2221 Pacemaker 220-42 2222 Big Sound 228-42 2219A Showman 24" 278-42 2219A Showman 24" 288-69 2244 Iceberg (Showman 22" Trans-	DAVOLI UFIP CYMBALS RITMO 10" 9-50 11" 10-26 12" 11-12 13" 13-82 14" 17-56	Panorama 21 270-22 Panorama 22 364-93 Panorama 24 314-16 HOSHINO Outfits: HM1000 151-75 HK600M 35-77 HM2000 187-95 KEMBLE YAMAHA-Outfits YD680 314-00 YD665 334-52	375, 15" 52:70 376, 16" 57:78 Zyn: 232, 12" 9:28 233, 13" 10:90 234, 14" 12:96 235, 15" 14:58 236, 16" 16:09 Tom-Toms: 442, 12 × 8" 29:26 433, 13 × 9" 32:29 444, 14 × 8" 35:53 340, 14 × 10" 38:55 435, 14 × 14" 45:57 446, 16 × 16" 47:84	Ditto, tinted	0 5145, 30cm, 12" 4.90 5 146, 33cm, 13" 8.00 5 147, 35cm, 14" 9.48 5 148, 38cm, 15" 10.80 5 149, 94cm, 16" 12.86 6 5150, 45cm, 18" 17.91 5 157, 50cm, 20" 20.46
DALLAS HAYMAN Outfits - less stands: 2221 Pacemaker 220-42 2222 Big Sound 228-62 2219A Showman 24" 278-42 2219A Showman 24" . 288-69 2244 Iceberg (Showman 22" Transparent) 362-25 Outfits - with stands: 2221/5 Pacemaker 282-47	DAVOLI UFIP CYMBALS RITMO 10° 9-50 11" 10-26 12" 11-12 13" 13-82 14" 17-56 15" 18-90 16" 21-00 18" 31-10 20° 37-26 22" 45-90	Panorama 21 270-22 Panorama 22 364-93 Panorama 24 314-16 HOSHINO Outfits: HM 1000 151-75 HK600M 35-77 HM2000 187-95 KEMBLE YAMAHA-Outfits YD680 314-00 YD665 334-52 YD660 299-23 YD260 153-65	375, 15" 52:70 376, 16" 57:78 Zyn: 232, 12" 9-28 233, 13" 10-90 234, 14" 12-96 235, 15" 14-58 236, 16" 16-09 Tom-Toms: 442, 12 × 8" 29-26 433, 13 × 9" 32-29 444, 14 × 8" 35-53 440, 14 × 10" 38-55 435, 14 × 14" 45-57 446, 16 × 47-84 OLYMPIC Snares: Wood Shell: 1180, 14 × 4" 25-81	Ditto, tinted	0 5145, 30cm, 12" 4.90 5146, 33cm, 13" 8.00 5147, 35cm, 14" 9.48 5148, 38cm, 15" 10.80 5199, 40cm, 16" 12.86 5150, 45cm, 16" 17.91 5157, 50cm, 20" 20.46
HAYMAN Outfits - less stands: 2221 Pacemaker 220-42 2222 Big Sound 228-15 2219 Showman 24" 288-69 2244 Iceberg (Showman 22" Transparent) 362-25 Outfits - with stands: 2221/S Pacemaker 282-47 2222/S Big Sound 281-37 2219/S Showman 22" 378-38	DAVOLI UFIP CYMBALS RITMO 10" 9-50 11" 10-26 12" 11-12 13" 13-82 14" 17-56 15" 18-90 16" 21-00 18" 31-10 20" 37-26 22" 45-90 24" 54-00 RED SOUND 12" 5-40	Panorama 21 270-22 Panorama 22 364-93 Panorama 24 314-16 HOSHINO Outflits: HM1000 151-75 HK600M 35-77 HM2000 187-95 KEMBLE★ YAMAHA-Outflits YD680 314-00 YD665 334-52 YD660 299-23	375, 15". 52:70 376, 16". 57:78 Zyn: 232, 12". 9-28 233, 13". 10-90 234, 14". 12-96 235, 15". 14-58 236, 16". 16-09 Tom-Toms: 442, 12 × 8". 29-26 433, 13 × 9". 32-29 444, 14 × 8". 35-53 440, 14 × 10". 38-55 435, 14 × 14". 45-57 446, 16 × 16". 47-84 OLYMPIC Snares: Wood Shell: 1180, 14 × 4". 25-81 1182, 14 × 5½". 27-00 1002, 14 × 5½". 30-78	Ditto, tinted	0 5145, 30cm, 12" 4.90 5 146, 33cm, 13" 8.00 5 147, 35cm, 14" 9.48 5 148, 38cm, 15" 10.80 5 149, 94cm, 16" 12.86 6 15150, 45cm, 18" 17.91 5 157, 50cm, 20" 20-46 6 SIMMS-WATTS 6 ASBA Metal Shell Drums: 615M 24 x 14 Bass. 146-80
DALLAS HAYMAN Outfits - less stands: 2221 Pacemaker 220-42 2222 Big Sound 228-15 2219 Showman 24" 288-69 2244 Iceberg (Showman 22" Transparent) 362-25 Outfits - with stands: 2221/S Pacemaker 282-47 2221/S Big Sound 281-37 2219/S Showman 22" 337-89 2219/S Showman 24" 347-87 2244/S Iceberg 404-44	DAVOLI UFIP CYMBALS RITMO 10" 9-50 11" 10-26 12" 11-12 13" 13-82 14" 17-56 15" 18-90 16" 21-00 18" 31-10 20" 37-26 22" 45-90 24" 54-00 RED SOUND 12" 5-40 13" 8-10 14" 8-64	Panorama 21 270-22 Panorama 22 364-93 Panorama 24 314-16 HOSHINO Outflits: HM 1000 151-75 HK600M 35-77 HM2000 187-95 KEMBLE★ YAMAHA-Outflts YD680 314-90 YD665 334-52 YD660 299-23 YD260 153-65 metal snare: SD6500M 47-70	$\begin{array}{lll} 375, \ 15'' & 52:70 \\ 376, \ 16'' & 57:78 \\ \hline Zyn: & 9:28 \\ 233, \ 13'' & 10:90 \\ 234, \ 14'' & 12:96 \\ 235, \ 15'' & 14:58 \\ 236, \ 16'' & 16:09 \\ \hline Tom-Toms: & 444, \ 14 \times 8'' & 32:24 \\ 444, \ 14 \times 8'' & 32:23 \\ 440, \ 14 \times 10'' & 38:55 \\ 435, \ 14 \times 14'' & 45:57 \\ 446, \ 16 \times 16'' & 47:84 \\ \hline \textbf{OLYMPIC} \\ Snares: Wood Shell: & 1180, \ 14 \times 4'' & 25:81 \\ 1182, \ 14 \times 5\frac{1}{2}'' & 27:00 \\ 1002, \ 14 \times 5\frac{1}{2}'' & 30:78 \\ Metal Shell: & 30:78 \\ $	Ditto, tinted	0 5145, 30cm, 12" 4.90 5146, 33cm, 13" 8.00 5147, 35cm, 14" 9.48 5148, 38cm, 15" 10.80 5149, 40cm, 16" 12.86 5150, 45cm, 18" 17.91 5157, 50cm, 20" 20.46 71 SIMMS-WATTS 615M 24 × 14 Bass. 146.80 613M 22 × 14 Bass. 146.80 613M 20 × 14 Bass. 146.80
DALLAS HAYMAN Outfits - less stands: 2221 Pacemaker 220-42 2222 Big Sound 228-15 2219 A Showman 22" 278-42 2219A Showman 22" 288-69 2244 Iceberg (Showman 22" 288-69 2244 Ise stands: 227 Ise stands: 2221/S Pacemaker 282-47 2222/S Big Sound 281-37 2219/S Showman 22" 337-89 2219/S Showman 24" . 347-57 2244/S Iceberg 404-44 Drums: 2223 Vibrasonic Snare	DAVOLI UFIP CYMBALS RITMO 10" 9-50 11" 10-26 12" 11-12 13" 13-82 14" 17-56 15" 18-90 16" 21-00 18" 31-10 20" 37-26 22" 45-90 24" 54-00 RED SOUND 12" 5-40 13" 8-10 14" 8-64 15" 8-80 16" 12-88 18" 16-74	Panorama 21 270-22 Panorama 22 364-93 Panorama 24 314-16 HOSHINO Outfits: HM 1000 151-75 HK600M 35-77 HM2000 187-95 KEMBLE YAMAHA-Outfits YD680 314-50 YD665 334-52 YD660 299-23 YD260 153-65 metal snare: SD6500M 47-70	375, 15" 52:70 376, 16" 57:78 Zyn: 232, 12" 9:28 233, 13" 10:90 234, 14" 12:96 235, 15" 14:58 236, 16" 16:09 Tom-Toms: 442, 12 × 8" 29:26 433, 13 × 9" 32:29 444, 14 × 8" 35:53 340, 14 × 10" 38:55 435, 14 × 14" 45:57 446, 16 × 16" 47:84 OLYMPIC Snares: Wood Shell: 1180, 14 × 5½" 27:00 1002, 14 × 5½" 27:00 1002, 14 × 5½" 30:78 Metal Shell: 1005, 14 × 5½" 31:96 Outfits: 1033, 20" bs drum 21:99 11033, 22" bs drum 21:99	Ditto, tinted	0 5145, 30cm, 12" 4.90 5 146, 33cm, 13" 8.00 5 147, 35cm, 14" 9.48 5 148, 38cm, 15" 10.80 5 149, 40cm, 16" 12.86 5 150, 45cm, 18" 17.91 5 157, 50cm, 20" 20.46 ASBA Metal Shell Drums: 6 15M 24 × 14 Bass. 146.80 6 13M 22 × 14 Bass. 146.80 5 11M 14 × 9 Tom Tom 78.06 5 11M 13 × 9 Tom Tom 78.06
DALLAS HAYMAN Outfits – less stands: 2221 Pacemaker 220-42 2222 Big Sound 228-15 2219 Showman 22" 278-42 2219A Showman 24" 288-69 2244 Iceberg (Showman 22" Transparent) 362-25 Outfits – with stands: 2221/S Pacemaker 282-47 2221/S Big Sound 281-37 2219/S Showman 22" 337-89 2219A/S Showman 22" 337-89 2219A/S Showman 24" 347-57 2244/S Iceberg 404-44 Drums: 2223 Vibrasonic Snare Drum 38-67 2243 Metal S hell Snare Drum 54-61	DAVOLI UFIP CYMBALS RITMO 10" 9-50 11" 10-26 12" 11-12 13" 13-82 14" 17-56 15" 18-90 16" 21-00 18" 31-10 20" 37-26 22" 45-90 24" 54-00 RED SOUND 13" 8-10 13" 8-10 14" 8-64 15" 8-80 16" 12-88	Panorama 21 270-22 Panorama 22 364-93 Panorama 24 314-16 HOSHINO Outflits: HM 1000 151-75 HK600M 35-77 HM2000 187-95 KEMBLE★ YAMAHA-Outflts YD680 314-90 YD665 334-52 YD660 299-23 YD260 153-65 metal snare: SD6500M 47-70	$\begin{array}{llllllllllllllllllllllllllllllllllll$	Ditto, tinted	0 5145, 30cm, 12" 4.90 5 146, 33cm, 13" 8.00 5 147, 35cm, 14" 9.48 5 148, 38cm, 15" 10.80 5 149, 40cm, 16" 12.86 5 150, 45cm, 18" 17.91 5 157, 50cm, 20" 20.46 7 SIMMS-WATTS 6 ASBA Metal Shell Drums: 6 15M 24 × 14 Bass. 146.80 6 13M 22 × 14 Bass. 146.80 5 10M 14 × 9 Tom Tom 78.06 5 11M 13 × 9 Tom Tom 78.06 5 5 11M 13 × 9 Tom Tom 78.06 5 5 5 M 16 × 16 Tom
DALLAS	DAVOLI UFIP CYMBALS RITMO 10" 9-50 11" 10-26 12" 11-12 13" 13-82 14" 17-56 15" 18-90 16" 21-00 18" 31-10 20" 37-26 22" 45-90 24" 54-00 RED SOUND 12" 5-40 13" 8-10 14" 8-64 15" 8-80 16" 12-88 18" 16-74	Panorama 21 270-22 Panorama 22 364-93 Panorama 24 314-16 HOSHINO Outfits: HM1000 151-75 HK600M 35-77 HM2000 187-95 KEMBLE★ YAMAHA-Outfits YD680 314-00 YD665 334-52 YD660 299-23 YD260 153-65 metal snare: SD6500M 47-70 ORANGE★ Single drum kit 528-00	375, 15". 52:70 376, 16". 57:78 Zyn: 232, 12". 9-28 233, 13". 10-90 234, 14". 12-96 235, 15". 14-58 236, 16". 16-09 Tom-Toms: 442, 12 × 8". 29-26 443, 13 × 9". 32-29 444, 14 × 8". 35-53 440, 14 × 10". 38-55 345, 14 × 14". 45-57 446, 16 × 16". 47-84 OLYMPIC Snares: Wood Shell: 1180, 14 × 4". 25-81 1182, 14 × 5½". 27-00 1002, 14 × 5½". 30-78 Metal Shell: 1005, 14 × 5½". 31-96 Outfits: 1033, 20" bs drum. 218-59 81033, 22" bs drum. 190-18 81031, 22" bs drum. 143-42 862, 22" bs drum. 143-42	Ditto, tinted	0 5145, 30cm, 12" 4.90 5 146, 33cm, 13" 8.00 5 147, 35cm, 14" 9.48 5 148, 38cm, 15" 10.80 5 149, 40cm, 16" 12.86 6 150, 45cm, 18" 17.91 5 157, 50cm, 20" 20.46 7 SIMMS-WATTS 6 ASBA Metal Shell Drums: 6 15M 24 × 14 Bass. 146.80 6 13M 20 × 14 Bass. 146.80 6 13M 20 × 14 Bass. 146.80 6 15IM 13 × 9 Tom Tom 78.06 5 11M 13 × 9 Tom Tom 78.06 5 11M 13 × 9 Tom Tom 78.06 5 11M 13 × 9 Tom Tom 78.06 6 15M 24 × 14 Bass. 146.80 6 15M 24 × 14 Bass. 146.80 6 14 16 Tom 78.06 6 15M 24 × 14 Bass. 146.80 6 15M 24 × 14 Bass. 146.80
DALLAS	DAVOLI UFIP CYMBALS RITMO 10° 9-50 11" 10-26 12" 11-12 13" 13-82 14" 17-56 15" 18-90 16" 21-00 18" 31-10 20° 37-26 22" 45-90 24" 55-40 12" 5-40 13" 8-10 14" 8-64 15" 8-80 16" 12-88 18" 16-74 20" 19-48 HOHNER★ SONOR	Panorama 21 270-22 Panorama 22 364-93 Panorama 24 314-16 HOSHINO Outflits: HM 1000 151-75 HK600M 35-77 HM2000 187-95 KEMBLE YAMAHA-Outflits YD680 314-50 YD665 334-52 YD660 299-23 XD260 153-65 metal snare: SD6500M 47-70 ORANGE Single drum kit 528-00 Double drum kit 748-00 PREMIER	375, 15" 52:70 376, 16" 57:78 Zyn: 232, 12" 9:28 233, 13" 10:90 234, 14" 12:96 235, 15" 14:58 236, 16" 16:09 Tom-Toms: 442, 12 × 8" 29:26 433, 13 × 9" 32:29 444, 14 × 8" 35:53 340, 14 × 10" 38:55 435, 14 × 14" 45:57 446, 16 × 14" 45:57 446, 16 × 14" 35:53 1002, 14 × 5½" 27:00 1002, 14 × 5½" 27:00 1002, 14 × 5½" 30:78 Metal Shell: 1005, 14 × 5½" 30:78 Metal Shell: 1033, 20" bs drum 190:18 1033, 22" bs drum 190:18 1031, 22" bs drum 190:18 180:13, 22" bs drum 190:18 180:13, 22" bs drum 190:18 180:13, 22" bs drum 190:18 1031, 22" bs drum 190:18 1031, 22" bs drum 190:18 1031, 22" bs drum 190:18 1005, 14 × 5½" 36:78 100:10 × 14 × 5½ 100:10 × 15 × 15 × 15 × 15 × 15 × 15 × 15 ×	Ditto, tinted	0 5145, 30cm, 12" 4.90 5 146, 33cm, 13" 8.00 5 147, 35cm, 14" 9.48 5 148, 38cm, 15" 10.80 5 149, 39cm, 16" 12.86 6 1519, 45cm, 18" 17.91 5 157, 50cm, 20" 20.46 6 1519, 45cm, 18" 17.91 6 1519, 45cm, 18" 17.91 6 1510, 45cm, 18" 14.80 6 1311 13.2 14 18 18 14.80 6 1510, 18 14.80 6 1510, 18 151 6 1510, 18 1
DALLAS	DAVOLI UFIP CYMBALS RITMO 10" 9-50 11" 10-26 12" 11-12 13" 13-82 14" 17-56 16" 21-00 18" 31-10 20" 37-26 22" 45-90 24" 54-00 RED SOUND 12" 54-00 RED SOUND 12" 54-00 RED SOUND 14" 8-64 15" 8-80 16" 12-88 18" 16-74 20" 19-48 HOHNER★ SONOR Ouefits: K120 163-40	Panorama 21 270-22 Panorama 22 364-93 Panorama 24 314-16 HOSHINO Outflits: HM 1000 151-75 HK600M 35-77 HM2000 187-95 KEMBLE YAMAHA-Outflits YD680 314-50 YD665 334-52 YD660 299-23 XD260 153-65 metal snare: SD6500M 47-70 ORANGE Single drum kit 528-00 Double drum kit 748-00 PREMIER	375, $15^{\prime\prime}$ 52:70 376, $16^{\prime\prime}$ 57:78 Zyn: 232, $12^{\prime\prime}$ 9:28 233, $13^{\prime\prime}$ 10:90 234, $14^{\prime\prime}$ 12:96 235, $15^{\prime\prime}$ 14:58 236, $16^{\prime\prime}$ 16:09 Tom-Toms: 442, $12 \times 8^{\prime\prime}$ 29:26 433, $13 \times 9^{\prime\prime}$ 32:29 444, $14 \times 8^{\prime\prime}$ 35:53 340, $14 \times 10^{\prime\prime}$ 38:55 440, $14 \times 10^{\prime\prime}$ 38:55 445, $14 \times 14^{\prime\prime}$ 45:57 446, $16 \times 16^{\prime\prime}$ 47:84 OLYMPIC Snares: Wood Shell: 1180, $14 \times 5^{\prime\prime}_2$ 27:00 1002, $14 \times 5^{\prime\prime}_2$ 27:00 1002, $14 \times 5^{\prime\prime}_2$ 30:78 Metal Shell: 1005, $14 \times 5^{\prime\prime}_2$ 30:78 Metal Shell: 1035, $12 \times 5^{\prime\prime}_2$ 31:96 Outfits: 1033, $20^{\prime\prime}$ bs drum 21:94 1031, $20^{\prime\prime}$ bs drum 190:18 B1031, $22^{\prime\prime}$ bs drum 193:53 62, $20^{\prime\prime}$ drum 143:42 B62, $22^{\prime\prime}$ bs drum 193:53 62, $20^{\prime\prime}$ drum 143:42 B62, $22^{\prime\prime}$ bs drum 193:53 62, $20^{\prime\prime}$ drum 193:53 63, $20^{\prime\prime}$ bs drum 193:53 64, $20^{\prime\prime}$ bs drum 193:53 67, $20^{\prime\prime}$ drum 193:53 68, $20^{\prime\prime}$ bs drum 193:53 69, $20^{\prime\prime}$ bs drum 193:53 61, $20^{\prime\prime}$ bs drum 193:53 62, $20^{\prime\prime}$ drum 193:53 62, $20^{\prime\prime}$ drum 193:53 63, $20^{\prime\prime}$ bs drum 193:53 64, $20^{\prime\prime}$ bs drum 193:53 64, $20^{\prime\prime}$ bs drum 193:53 67, $20^{\prime\prime}$ drum 193:53 68, $20^{\prime\prime}$ bs drum 193:53 69, $20^{\prime\prime}$ bs drum 193:53 69, $20^{\prime\prime}$ bs drum 193:54 60, $20^{\prime\prime}$ bs drum 193:54 60, $20^{\prime\prime}$ bs drum 193:54 61, $20^{\prime\prime}$ bs drum 193:54	Ditto, tinted	0 5145, 30cm, 12" 4.90 5 146, 33cm, 13" 8.00 5 147, 35cm, 14" 9.48 5 148, 38cm, 15" 10.80 5 149, 34cm, 16" 12.86 6 1550, 45cm, 18" 17.91 5 157, 50cm, 20" 20.46 7 SIMMS-WATTS 6 6 6 7 SIMMS-WATTS 6
DALLAS	DAVOLI UFIP CYMBALS RITMO 10" 9-50 11" 10-26 12" 11-12 13" 13-82 14" 17-56 15" 18-90 16" 21-00 20" 37-26 22" 45-90 24" 54-00 RED SOUND 12" 5-40 13" 8-10 14" 8-64 15" 8-80 16" 12-88 18" 16-74 20" 19-48	Panorama 21 270-22 Panorama 22 364-93 Panorama 24 314-16 HOSHINO Outflits: HM 1000 151-75 HK600M 35-77 HM2000 187-95 KEMBLE YAMAHA-Outflits YD680 314-50 YD665 334-52 YD660 299-23 XD260 153-65 metal snare: SD6500M 47-70 ORANGE Single drum kit 528-00 Double drum kit 748-00 PREMIER	375, 15" 52:70 376, 16" 57:78 Zyn: 232, 12" 9:28 233, 13" 10:90 234, 14" 12:96 235, 15" 14:58 236, 16" 16:09 Tom-Toms: 442, 12 × 8" 29:26 433, 13 × 9" 32:29 444, 14 × 8" 35:53 440, 14 × 10" 38:55 435, 14 × 14" 45:57 446, 16 × 14* 14" 45:57 446, 16 × 14* 15" 30:78 CLYMPIC Snares: Wood Shell: 180, 14 × 5½" 27:00 1002, 14 × 5½" 27:00 1002, 14 × 5½" 30:78 Metal Shell: 1005, 14 × 5½" 30:78 Metal Shell: 1033, 20" bs drum 190:18 B1031, 22" bs drum 190:18 B1031, 25" bs drum 193:53 64, 14" 14" 134:44" 134:44" 134:44" 134:44" 134:44" 134:44" 134:44" 134:45" 14" 134:45" 14" 134:45" 14" 134:45" 14" 134:45" 1445 16:16" 1 head 18:94	Ditto, tinted	0 5145, 30cm, 12" 4.90 5 146, 33cm, 13" 8.00 5 147, 35cm, 14" 9.48 5 148, 38cm, 15" 10.80 5 149, 34cm, 15" 12.86 6 1550, 45cm, 18" 17.91 5 157, 50cm, 20" 20.46 7 8 SIMMS-WATTS 6 ASBA Metal Shell Drums: 6 15M 24 × 14 Bass. 146.80 6 13M 22 × 14 Bass. 146.80 6 13M 22 × 14 Bass. 146.80 6 1511M 13 × 9 Tom Tom 78.06 5 10 M 14 × 9 Tom Tom 78.06 6 15 12 × 14 Bass. 146.80 6 13A 22 × 14 Bass. 146.80 6 15A 24 × 14 Bass. 146.80 6 15A 25 × 14 Bass. 146.80 6 15A
DALLAS	DAVOLI UFIP CYMBALS RITMO 10" 9-50 11" 10-26 12" 11-12 13" 13-82 14" 17-56 15" 18-90 16" 21-00 18" 31-10 20" 37-26 22" 45-90 24" 54-00 RED SOUND 12" 5-40 13" 8-10 14" 8-64 15" 8-80 16" 12-98 18" 16-74 20" 19-48 HOHNER★ SONOR Outfits: K 20 163-40 K 30 225-40 K 30 225-40 K 30 225-50 K 42 360-60 Snare Drums: D421 77-85	Panorama 21 270-22 Panorama 22 364-93 Panorama 22 364-93 Panorama 24 314-16 HOSHINO Outfits: HM1000 151-75 HK600M 35-77 HM2000 187-95 KEMBLE★ YAMAHA-Outfits YD680 314-90 YD665 334-52 YD660 299-23 YD260 153-65 metal snare: SD6500M 47-70 ORANGE★ Single drum kit 528-00 Double drum kit 748-00 PREMIER Snares: Metal Shells: 2000, 14 × 5∮″ 53-89 2003, 14 × 5∮″ 56-05 2006, 14 × 12″ 62-54 2011, 14 × 14″ 52-53 37 Hi Fi, 14 × 5∮″ 42-33 Wood Shells: 2001, 14 × 5∮″ 51-40	375, $15''$ 52:70 376, $16''$ 57:78 Zyn: 232, $12''$ 9.28 233, $13''$ 10:90 234, $14''$ 12:96 235, $15''$ 14:58 236, $16''$ 16:09 Tom-Toms: 442, $12 \times 8''$ 29:26 433, $13 \times 9''$ 32:29 444, $14 \times 8''$ 35:53 440, $14 \times 10''$ 38:55 435, $14 \times 14''$ 45:57 446, $16 \times 16''$ 37:84 OLYMPIC Snares: Wood Shell: 180 , $14 \times 5\frac{1}{2}$ 27:00 1002 , $14 \times 5\frac{1}{2}$ 27:00 1002 , $14 \times 5\frac{1}{2}$ 27:00 1002 , $14 \times 5\frac{1}{2}$ 30:78 Metal Shell: 1005 , $14 \times 5\frac{1}{2}$ 30:78 Metal Shell: 1005 , $14 \times 5\frac{1}{2}$ 31:96 Outfits: 1033 , $20''$ bs drum 190:18 B1031, $22''$ bs drum 190:18	Ditto, tinted	0 5145, 30cm, 12" 4.90 5 146, 33cm, 13" 8.00 5 147, 35cm, 14" 9.48 5 148, 38cm, 15" 10.80 5 149, 34cm, 16" 12.86 6 5 150, 45cm, 18" 17.91 5 157, 50cm, 20" 20.46 6 7 SIMMS-WATTS 6 ASBA Metal Shell Drums: 6 15M 24 × 14 Bass 146-80 6 33M 22 × 14 Bass 146-80 6 13M 22 × 14 Bass 146-80 6 15M 14 × 9 Tom Tom 78-06 7 SOSM 16 × 16 Tom Tom 78-06 7 SOSM 12 × 8 Tom Tom 78-06 8 13A 22 × 14 Bass 146-80 6 33A 20 × 14 Bass 146-80 5 11A 13 × 9 Tom Tom 78-60 7 SOSM 16 × 16 Tom 78-60 8 13A 22 × 14 Bass 146-80 8 13A 20 × 14 Bass 146-80 8 15A 24 × 14 Bass 146-80
DALLAS	DAVOLI UFIP CYMBALS RITMO 10" 9-50 11" 10-26 12" 11-12 13" 13-82 14" 17-56 15" 18-90 16" 21-00 20" 37-26 22" 45-90 24" 54-00 RED SOUND 12" 5-40 13" 8-10 14" 8-64 15" 8-80 16" 12-98 18" 16-74 20" 19-48 HOHNER★ SONOR Ouefits: K120 16-74 20" 19-48 HOHNER★ SONOR Ouefits: K120 16-74 CHARLES 16	Panorama 21 270-22 Panorama 22 364-93 Panorama 22 364-93 Panorama 24 314-16 HOSHINO Outfits: HM1000 151-75 HK600M 35-77 HM2000 187-95 KEMBLE★ YAMAHA-Outfits YD680 314-00 YD665 334-52 YD660 299-23 YD260 153-65 metal snare: SD6500M 47-70 ORANGE★ Single drum kit. 528-00 Double drum kit. 748-00 PREMIER Snares: Metal Shells: 2000, 14 × 5½" 56-05 2006, 14 × 12" 62-54 2011, 14 × 14" 52-59 37 Hi Fi, 14 × 5½" 42-33 Wood Shells: 2001, 14 × 5½" 51-40 31, 14 × 5½" 51-40 31, 14 × 5½" 51-40 31, 14 × 5½" 51-40 31, 14 × 5½" 51-40 31, 14 × 5½" 51-40 31, 14 × 5½" 51-40 31, 14 × 5½" 51-40 31, 14 × 5½" 51-40 31, 14 × 5½" 51-40 31, 14 × 5½" 51-40 31, 14 × 5½" 51-40 31, 14 × 5½" 51-40 31, 14 × 5½" 51-40 31, 14 × 5½" 51-40 31, 14 × 5½" 51-40 31, 14 × 5½" 51-40 31, 14 × 5½" 51-40 31, 14 × 5½" 51-40 31, 14 × 5½" 51-40	375, $15''$ 52:70 376, $16''$ 57:78 Zyn: 232, $12''$ 9.28 233, $13''$ 10:90 234, $14''$ 12:96 235, $15''$ 14:58 236, $16''$ 16:09 Tom-Toms: 442, $12 \times 8''$ 29:26 433, $13 \times 9''$ 32:29 444, $14 \times 8''$ 35:53 440, $14 \times 10''$ 38:55 435, $14 \times 14''$ 45:57 446, $16 \times 16''$ 37:84 OLYMPIC Snares: Wood Shell: 180 , $14 \times 5\frac{1}{2}$ 27:00 1002 , $14 \times 5\frac{1}{2}$ 27:00 1002 , $14 \times 5\frac{1}{2}$ 27:00 1002 , $14 \times 5\frac{1}{2}$ 30:78 Metal Shell: 1005 , $14 \times 5\frac{1}{2}$ 30:78 Metal Shell: 1005 , $14 \times 5\frac{1}{2}$ 31:96 Outfits: 1033 , $20''$ bs drum 190:18 B1031, $22''$ bs drum 190:18	Ditto, tinted	0 5145, 30cm, 12" 4.90 5 146, 33cm, 13" 8.00 5 147, 35cm, 14" 9.48 5 148, 38cm, 15" 10.80 5 149, 34cm, 15" 12.86 6 15150, 45cm, 18" 17.91 5 1517, 50cm, 20" 20-46 6 2 5157, 50cm, 20" 20-46 6 3 5187, 50cm, 20" 20-46 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
DALLAS	DAVOLI UFIP CYMBALS RITMO 10" 9-50 11" 10-26 12" 11-12 13" 13-82 14" 17-56 15" 18-90 16" 21-00 18" 31-10 20" 37-26 22" 45-90 24" 54-00 RED SOUND 12" 5-40 13" 8-10 14" 8-64 15" 8-80 16" 12-88 18" 10-74 20" 19-48 HOHNER★ SONOR Ouefits: K120 163-40 K130 225-40 K130 225-40 K130 225-40 K130 225-40 K130 225-40 K130 72-59 K162 360-60 Snare Drums: D421 77-85 D426 (metal) 97-60 D431 46-95 D426 (metal) 77-85 D426 (metal) 97-60 D431 46-95 D426 (metal) 77-85 D436 (metal) 77-85 D4544 (metal) 77-85 D4544 (metal) 77-85 D4545 (metal) 46-95	Panorama 21 270-22 Panorama 22 364-93 Panorama 24 314-16 HOSHINO Outfits: HM1000 151-75 HK600M 35-77 HM2000 187-95 KEMBLE★ YAMAHA-Outfits YD680 314-00 YD665 334-52 YD660 299-23 YD260 153-65 metal snare: SD6500M 47-70 ORANGE★ Single drum kit 528-00 Double drum kit 748-00 PREMIER Snares: Metal Shells: 2000, 14 × 5½" 53-89 2003, 14 × 5½" 56-05 2006, 14 × 12" 62-54 2011, 14 × 14" 52-59 37 Hi Fi, 14 × 5½" 42-33 Wood Shells: 2001, 14 × 5½" 51-40 31, 14 × 5½" 40-17 Outfits: 203 Kenny Clare cymbals 468-39 707, 20" b.ds. 576-72	375, $15''$ 52:70 376, $16''$ 57:78 Zyn: 232, $12''$ 9.28 233, $13''$ 10:90 234, $14''$ 12:96 235, $15''$ 14:58 236, $16''$ 16:09 Tom-Toms: 442, $12 \times 8''$ 29:26 433, $13 \times 9''$ 32:29 444, $14 \times 8''$ 35:53 440, $14 \times 10''$ 38:55 435, $14 \times 14''$ 45:57 446, $16 \times 16''$ 37:84 OLYMPIC Snares: Wood Shell: 180 , $14 \times 5\frac{1}{2}$ 27:00 1002 , $14 \times 5\frac{1}{2}$ 27:00 1002 , $14 \times 5\frac{1}{2}$ 27:00 1002 , $14 \times 5\frac{1}{2}$ 30:78 Metal Shell: 1005 , $14 \times 5\frac{1}{2}$ 30:78 Metal Shell: 1005 , $14 \times 5\frac{1}{2}$ 31:96 Outfits: 1033 , $20''$ bs drum 190:18 B1031, $22''$ bs drum 190:18	Ditto, tinted	0 5145, 30cm, 12" 4.90 5 146, 33cm, 13" 8.00 5 147, 35cm, 14" 9.48 5 148, 38cm, 15" 10.80 5 149, 34cm, 16" 12.86 6 1550, 45cm, 18" 17.91 5 157, 50cm, 20" 20.46 6 2 5150, 45cm, 18" 17.91 6 3 5150, 45cm, 18" 17.91 6 3 5157, 50cm, 20" 20.46 6 3 5150, 45cm, 18" 146.80 6 313M 22 x 14 Bass 146.80 6 33M 20 x 14 Bass 146.80 6 33M 20 x 14 Bass 146.80 6 33M 20 x 14 Bass 146.80 6 31M 22 x 14 Bass 146.80
DALLAS	DAVOLI UFIP CYMBALS RITMO 10" 9-50 11" 10-26 12" 11-12 13" 13-82 14" 17-56 15" 18-90 16" 21-00 18" 31-10 20" 37-26 22" 45-90 24" 54-00 RED SOUND 12" 5-40 13" 8-10 14" 8-64 15" 8-80 16" 12-88 18" 16-74 20" 19-48 HOHNER★ SONOR Ouefits: K120 16-3-40 K130 22-5-40 K130 22-5-40 K130 22-5-40 K130 22-5-40 K130 22-5-40 K130 22-5-40 K130 36-60 Snare Drums: D421 77-85 D426 (metal) 97-60 D431 46-95 D444 (metal) 77-85 D454 (metal) 46-95 L5-88 41-35 L5-88 41-35 T628 41-35 T628 41-35	Panorama 21 270-22 Panorama 22 364-93 Panorama 24 314-16 HOSHINO Outfits: HM 1000 151-75 HK600M 35-77 HM2000 187-95 KEMBLE★ YAMAHA-Outfits YD680 314-90 YD665 334-52 YD660 299-23 YD260 153-65 metal Snare: SD6500M 47-70 ORANGE★ Single drum kit 528-00 Double drum kit 748-00 PREMIER Snares: Metal Shells: 2000, 14 × 5½" 53-89 2003, 14 × 6½" 56-05 2006, 14 × 12" 62-54 2011, 14 × 14" 52-59 37 Hi Fi, 14 × 5½" 42-33 Wood Shells: 2001, 14 × 5½" 51-40 31, 14 × 5½" 51-4	375, $15''$ 52:70 376, $16''$ 57:78 Zyn: 232, $12''$ 9.28 233, $13''$ 10:90 234, $14''$ 12:96 235, $15''$ 14:58 236, $16''$ 16:8 236, $16''$ 16:90 70m-Toms: 442, $12 \times 8''$ 29:26 433, $13 \times 9''$ 32:29 444, $14 \times 8''$ 35:53 440, $14 \times 10''$ 38:55 435, $14 \times 14''$ 45:57 446, $16 \times 16''$ 47:84 OLYMPIC Snares: Wood Shell: 1180, $14 \times 5\frac{1}{2}''$ 30.78 Metal Shell: 1005, $14 \times 5\frac{1}{2}''$ 30.78 Metal Shell: 1005, $14 \times 5\frac{1}{2}''$ 30.78 Metal Shell: 1033, 20'' bs drum 21:94 1031, 20'' bs drum 193:53 62, 20'' drum 193:53 62, 20'' drum 193:53 62, 20'' drum 193:53 62, 20'' drum 193:53 144, $12 \times 8''$, 1×86 60, 20'' bs drum 10:73 Tom-Toms: 144, $12 \times 8''$, 1×86 442, $12 \times 8''$, 1×86 443, $14 \times 14''$ 34:45 145, $16 \times 16''$, 1×164 446, $16 \times 16''$, 1×164 47:91 171, $20 \times 17''$ 47:91 171, $20 \times 17'''$ 47:91 1717, $20 \times 17''''$ 47:91 171, $20 \times 17''''$ 47:33	Ditto, tinted	0 5145, 30cm, 12" 4.90 5 146, 33cm, 13" 8.00 5 147, 35cm, 14" 9.48 5 148, 38cm, 15" 10.80 5 149, 34cm, 16" 12.86 6 5 150, 45cm, 18" 17.91 5 1517, 50cm, 20" 20.46 6 7 SIMMS-WATTS 6 8 ASBA Metal Shell Drums: 6 15M 24 × 14 Bass 146-80 6 33M 20 × 14 Bass 146-80 6 13M 22 × 14 Bass 146-80 6 15M 14 × 9 Tom Tom 78-06 7 Tom 140-40 7 SopM 12 × 8 Tom Tom 78-60 8 11A 13 × 9 Tom Tom 78-60 9 Woodshell Drums: 6 15WS 24 × 14 Bass 146-80 6 13WS 22 × 14 Bass 146-80 6 15WS 24 × 14 Bass 146-80 6 15WS 25 × 14 Bass 146-80 6 15WS 25 × 14 Bass 146-80
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DALLAS	DAVOLI UFIP CYMBALS RITMO 10" 9-50 11" 10-26 12" 11-12 13" 13-82 14" 17-56 15" 18-90 16" 21-00 16" 31-10 20" 37-26 22" 45-90 24" 54-00 RED SOUND 12" 5-40 13" 8-10 14" 8-64 15" 8-80 16" 12-88 18" 16-74 20" 19-48 HOHNER★ SONOR Ouefits: K120 16-74 20" 19-48 HOHNER★ SONOR Ouefits: K120 16-74 CHARLES 10-78 K130 225-40 K131 46-95 D431 48-85 T629 41-35 T629 41-35 T631 48-85 T631 48-85 T632 48-85 T632 48-85 T633 48-85 T648 69-50 T649 69-50 T649 69-50 T6550 69-50 T6550 69-50	Panorama 21 270-22 Panorama 22 364-93 Panorama 22 364-93 Panorama 24 314-16 HOSHINO Outfits: HM1000 151-75 HK600M 35-77 HM2000 187-95 KEMBLE ★ YAMAHA-Outfits YD680 314-00 YD665 334-52 YD660 299-23 YD260 153-65 metal snare: SD6500M 47-70 ORANGE ★ Single drum kit 528-00 Double drum kit 748-00 PREMIER Snares: Metal Shells: 2000, 14 × 5½" 53-89 2003, 14 × 6½" 56-05 2006, 14 × 12" 62-54 2011, 14 × 14" 52-59 37 Hi Fi, 14 × 5½" 42-33 Wood Shells: 2001, 14 × 5½" 51-40 31, 14 × 5½" 40-17 Outfits: 203 Kenny Clare cymbals 468-39 707, 20" b. ds 576-72 203 Kenny Clare cymbals 468-39 707, 20" b. ds 576-72 203 Kenny Clare cymbals 468-39 707, 20" b. ds 576-72 111, 20" b. d 257-79 111, 20" b. d 257-79 1111, 20" b. d 257-79 1111, 22" b. d 260-17 111, 20" b. d 257-79 1111, 22" b. d 260-17 111, 20" b. d 257-79 1111, 22" b. d 260-17 111, 20" b. d 257-79 1111, 22" b. d 260-17 111, 22" b. d 260-17	375, 15" 52:70 376, 16" 57:78 Zyn: 232, 12" 9.28 233, 13" 10.90 234, 14" 12.96 235, 15" 14:58 236, 16" 16:09 Tom-Toms: 442, 12 × 8" 29.26 433, 13 × 9" 32.29 444, 14 × 10" 38:55 435, 14 × 14" 45:57 446, 16 × 16' 47:84 OLYMPIC Snares: Wood Shell: 1180, 14 × 5½" 27:00 1002, 14 × 5½" 30.78 Metal Shell: 1180, 14 × 5½" 30.78 Metal Shell: 1180, 14 × 5½" 30.78 Metal Shell: 1005, 14 × 5½" 30.78 Metal Shell: 1033, 20" bs drum 190.18 B1031, 22" bs drum 190.18 B1031, 20" bs drum 190.18 B10	Ditto, tinted	0 5145, 30cm, 12" 4.90 5 146, 33cm, 13" 8.00 5 147, 35cm, 14" 9.48 5 148, 38cm, 15" 10.80 5 149, 94cm, 16" 12.86 6 15150, 45cm, 18" 17.91 5 1557, 50cm, 20" 20-46 7 SIMMS-WATTS 6 6 ASBA Metal Shell Drums: 615M 24 × 14 Bass 146.80 633M 20 × 14 Bass 146.80 633M 20 × 14 Bass 146.80 501M 14 × 9 Tom Tom 78.06 51M 13 × 9 Tom Tom 78.06 51M 13 × 9 Tom Tom 78.06 51M 13 × 9 Tom Tom 78.06 615A 24 × 14 Bass 146.80 633A 20 × 14 Bass 146.80 633A 20 × 14 Bass 146.80 613A 22 × 14 Bass 146.80 615A 24 × 14 Bass 146.80 615A 22 × 14 Bass 146.80 615A 22 × 14 Bass 146.80 615A 22 × 14 Bass 146.80 615A 20 × 14 Bass 146.80 613A 20 × 14 Bass 146.80 615A 20 × 14 Bass 146.80 613A 20 × 14 Bass 146.80 613WS 22 × 14 Bass

133 Cymbal, floor. 29:20 134 Cymbal, floor. 33:90 Pedals & Cowbells: 222 Bass Drum. 42:75 293 Cowbell. 2:95 924 Cowbell. 3:75 926 Cowbell. 4:20 927 Cowbell. 4:20 Conga & Bongo Drums: 903/906 Tumbador. 97:25 904/56 Twin Congas on stand 166:50 905/906 Quinto. 83:45 230 Pedal 13:75 900 Bongos. 57:90 K. Zildjian Cymbals: 11049, 10" Crash. 14:65 11056, 13" Hi-Hat. 22:25	1057, 15" Crash/Ride 27-50 1051, 16" Hi-Hat. 29-20 1058, 17" Crash/Ride 30-85 30-85 1052, 18" Crash/Ride 11053, 20" Crash/Ride 11054, 22" Crash/Ride 1054, 22" Crash/Ride 48-80 1054, 22" Crash/Ride 1054, 22" Crash/Ride 48-80 1054, 22" Crash/Ride 1054, 22" Crash/Ride	KB125, outfit 300-00 IRT7, outfit 255-00 IRT7, outfit 225-00 RS5, outfit 175-00 3020, outfit 50-00 3010, outfit 60-00 300, Trap Set 16-50 858BES Snare 75-00 8258 Metal Shell Snare 30-00 2216, 16" tom tom 38-00 2213, 13" tom tom 25-00 2213, 13" tom tom 25-00 86222, 22" bass 60-00 86225, 22" bass 80-00 86125, 12" tom tom 38-50 86125, 12" tom tom 38-50 86135, 13" tom tom 38-50 86165, 16" tom tom 60-00	8612, 12" tom tom 32:50 8613, 13" tom tom 35:00 8616, 16" tom tom 50:00 1045 Cocktail outfit 72:00 348 Bass Anchor 1:50 725 Bass Pedal 10:99 720 Bass Pedal 42:50 71 Bass Beater 1:10 73 Bass Beater 1:10 73 Bass Beater 1:50 1263 Conga set 95:00 1302 Fibre glass conga 125:00 1302 Fibre glass conga 125:00 1303 Profes. conga 105:50 1304 Profes. conga 105:50 1304 Profes. conga 110:00 5000 Timbales 47:50 108 Bongoes 12:99 109 Bongoes 13:99 885 Hi Hat stand 18:50	880 Snare drum stand 13-50 882 Cymbal stand 11-75 886 Tom Tom stand 30-00 86 Snare stand 11-50 872 Cymbal stand 8-99 875D Hi Hat 13-99 76 Oriental temple blocks 40-00 1106 Oriental temple stand 13-99 602 Finger cymbals 1-30 780 Rail consolette/ Tom Tom holder 7-35 783 Twin Tom Tom holder 13-50 264 Cow Bell, 3" 2-50 264 Cow Bell, 4" 3-00 265 Cow Bell, 5" 3-25 266 Cow Bell, 6" 3-75	1514, 14" snare
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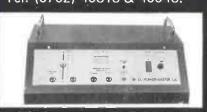


















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