A Now Radio Communications Publication

# Now Radio

EDITORIAL (0536) 514437 BROADCASTING (0536) 410723 NEWSLINE (21 hours) (0898) 654383 ADVERTISING (0484) 460088

The Magazine for Today's Radio Industry

Issue No. 65 July 13, 1988

Registered at the Post Office as a Newspaper



# Now Radio

THE Magazine for Today's Radio Industry

EDITOR: Howard G. L. Rose CORRESPONDENTS

Steve Merike - Chris Andrew
John Lewis - Paul Easton
Gavin Cooper - Lawrence Hallett

Leo N. Brightstar - Clive Glover

Rob Chapman - Tracey Power

**UNITED STATES** 

Graham Kennedy
TECHNICAL

Norman J. McLEOD

ISSN 0951-7901

Telephone:

(0536) 51 44 37

U.K. ORDERS

Now Radio, FREEPOST,

Kettering NN16 ONW

NOW RADIO NEWSLINE (24 hrs)

(Updated every day) (0898) 654383

SUBSCRIPTION RATES

52 Issues (12 months) £48.00

26 Issues (6 months) £24.00

12 Issues (3 months) £15.00

Published by:

Now Radio Communications

PO Box 45, Kettering,

Northants NN16 ONW

(24 Hours)

All Contents •

Now Radio Communications 1988

# Now Radio

NOW RADIO is published weekly by NOW RADIO COMMUNICATIONS.

NOW RADIO provides a full service of news, information and features for and about today's radio industry. It is the only all-radio trade Journal for Britain.

A Subscription to NOW RADIO ensures that your own copy is delivered each and every week to your address - so that you are kept fully in the picture!

You can subscribe by post (PO Box 45, Kettering), or using a current valid ACCESS or VISA card and 'phoning our office on Kettering (OS36) 51 44 37 during office hours.

(0536) 514437 BROADCASTING (0536) 410723 NEWSLINE (24 hours) (0898) 654383

advertising (0484) 460088

# the Government suggests as one of the delay with fon, community radio groups be given access to the ves over LIR, the idea is set automatically rejected thout further discussion by AIRC! surprised? Not really. The question now has to be, do these prospective new entrants was until late 1990 (as the earliest.) or do they attempt to provide their services without a licence? If they wast, there is the problem that LIR with its split-frequency potential) will continue to take the best on continue, the potential now within the he ILR and BBC. pirate broadcasters, as MERC, on wednesday, once keen, observable, and the services without a stations have duplicating one of the stations. We'll discuss this if detail, next week. \*\*SMERC, on wednesday, once keen, observable and at the heedlines with that after than reports of unnest the prolonged delay in pasent of our industry. \*\*REWS\*\* INTENDED\*\* \*\*REWS\*\*

NEVS	4	-	10
IAN ANDERSON	11	-	16
DIARY DATES			16
INFORMATION GUIDE			17
LOOSE ENDS			18
COMMUNICATIONS	19	-	20
LOOSE ENDS			20
OPENINGS			21
FESTIVAL DIARY (Norman McLeod)			22

"CARRY ON WAITING, AND MAKEN OF THE PROPERTY OF TELLS RADIO FESTIVAL PAUL ENSING FOR MAKEN OF GOLDEN ROSE BROADCASTING probably spoke for all summerly in the sact in his closing summerly in the sact in the form of the sact in the sact

new legislation. He eaid he was also considering "the suggestion that anyone convicted after a certain date of an offence-of musthersed broadcasting will at the subject of the proposed 3 new national natworks, DOUGLAS HERD confirmed that these licences would be aubject to the confirmed that these licences would be aubject to a diversity test — and not just go to the highest bidder. Although these new national services would have to be varied, they would not be asked to be all things to all people. "Neither a weighted approach nor audiance targetting will be practiced by a single narrow target audience will not be good amough. As a smatter of public policy, it would be a weste of a carca resource, and unfair to literance, to late an etional channel stermers, to late netional channel stermers, to control sore than one netional distipation of the states and the public policy, it would be a weste of a carca resource, and unfair to literance, to late netional channel stermers to generally and the public policy it would be a weste of a carca resource, and unfair to literance, to late an experiment to late the state of t scarce listeners, to let a national channel most popular format."

"The diversity test and competitive tendering will work together ensure: the listener and the public as a whole." On the subject of station ownership, although the Green Paper fabvoured a lifting of controls, it was felt that some rules were needed prevent undersirable concentrations of ownership, and the barriers to market entry that they may bring. The Home Secretary said that the proposal was for no one to be able to control more than one national and six local stations. He also envisaged rules to inhibit excessive cross-media concentrations. However these rules legislation™ so that they could be varied, if need be, in the light of experience.

Concluding his address, Mr Hurd said that "many more people will gain

ide
Redio
Redio
Redio
Als or
eaid, very
the Euroin which
broadcest'On
could be a
carrying various
various countries.
politics, open and
ag the authentic flair
sting country.
Anario was for a "Euroxperliament to examine
exchangee between
it stations.

defens then seemed to turn
ageneral suggestion that radio
defens then seemed to turn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that radio
defens then seemed to furn
ageneral suggestion that
defens then seemed to furn
ageneral suggestion that
defens then seemed to furn
ageneral suggestion
defens then s

CAROLINE SCRAPS
DAYTIME TRANSMISSIONS
CAROLINE 558 broadcasts last Friday morning confirmed reports in Now RADIO that the English-language service would have to be dropped to allow the transaission of a new Dutch-language station.

Despite months of work on aerial systems for a new service on 619Miz by engineers, often working to minital financial budgets, time finally ren out last week. The new Dutch organisation grew CAROLINE to minital financial pudgets, time finally ren out last week. The new Dutch organisation from the will be compared to the sponsors of evengelical programmes which, until the collapse of the main 300ft enterna tower last November, had been broadcast in the evenings as a service called VIEWPOINT which followed Dutch programmes as from July 1st. M. The CAROLINE was excludible, and the evening have to the evengelical programmes.

CAROLINE 558 Emglish-language for the sening hours, which whilst others were actively seeking new sources to broadcast their, programmes.

CAROLINE 558 English-language programmes will now only occupy the evening hours, which whilst at first say run from 1800 - 0600, will be liable to be shortened as time passes.

CAROLINE source and on the six claimed that the loss of English programmes would be for about four weeks, allowing technicians time to prepare the transmissions on 819Miz for the Dutch. In line with this arrangement would be a plan to re-lounch view of the science of the six of the science of the six of the science of the six of the science of the science

# NEW RADIO TRAINING INSTITUTE

FRED HUNTER is the director of the BROADCAST TRAINING INSTITUTE which has been formed in association with TW SOUND at their Twickenham studios.

HUNTER founded the radio course at London College of Printing in 1976. before setting up as a training consultant.

He claims that more than 300 of his former students are now working in radio and television.

In 1984 FRED HUNTER was awarded the City first PhD at University Journalism Department, examined by ASA BRIGGS and HAROLD EVANS. A year trained of later he staff the CHRISTIAN SCIENCE MONITOR radio service which now broadcasts its programmes worldwide on shortwave.

He had an albeit temporary position as a director of IRN and was an assistant editor with LBC RADIO. before freelancing ahead of entering education in 1975.

The courses at BTI will start in the autumn and will aim to help both potential reporters and presenters.

## - BBC BUYS MAG OP

BBC ENTERPRISES Ltd has purchased a substantial shareholding in REDWOOD PUBLISHING. publishers of the American Express magazine, Expression!

REDWOOD was founded four years ago former Daily Express CHRISTOPHER WARD:

It also publishes titles for Inter-City services. Marks and Spencer and The British Airports Authority.

This year, in a joint venture with another publisher, it launched The Clothes Show Magazine to tie in with the popular tv show on BBC 1 tv.

Recently IPC has filed a complaint with the Office of Fair Trading over the free advertising the BBC gives to that title.

## ILR TURN DOWN COMMUNITY ACCESS PROGRAMMING IDEA

Commercial radio stations have not welcomed the suggestion from TIM RENTON, Home Office broadcasting Minister, that they should allocate airtime to community groups as a part of their offerings made when splitting frequencies in the future.

# CHILTERN DROP SPECIALIST PROGRAMMES

CHILTERN RADIO dropped specialist mus1c ethnic and programming from its schedules, but only until October 10th.

Out for the summer go TONY HAYNES JIM CARWAY's country folk hour, **music** programme, The Caribbean Music show which was presented by HONEYBOY WILLIAMS, Sub Seath hindi programme), Jazz Jamboree (GRAHAM SCRIVEN and RONNIE ADAMS and the Weekly Review MARTIN).

CLIVE DICKINS, newly appointed Music Producer at the station explained to NOW RADIO that CHILTERN was simply re-introducing a policy of giving the programmes a "summer which was in force until a couple of years ago.

He said the specialist programming would recommence on October 10th.

# BBC AGREES TO END SIMULCASTING. BUT. . . . .

Despite its agreement with Office plans that all UK radio stations should end simulcasting the 16 to broadcast BBC GLOUCESTERSHIRE on both AM and FM when it comences transmissions later this year.

DAVID SOLOMONS, station manager, described plans for an FM-only station as "suicidal" whilst ILR used both wavebands.

THE AIR..." BBC
CLAIM AS STRIKE
HITS LOCAL RADIO
As this issue of Now RADIO makes it
way to thousands of readers
(Wednesday) a strike is expected to
be held by staff in BBC local radio
stations throughout England.
The strike is a protest, organised
by the NUI, at the 10% budget cuts
which the union claims have resulted
in the loss of nearly one hundred
jobs so far.
A demonstration is planned for tody
outside Broadcoasting House (London)
outside Broadcoasting Alouse (London)
outside Broadcoasting House (London)
outside Broadcoasting House
outside Broadcoa

# AIRC TO MEET PPL OVER NEEDLETIME PACKAGE

The ILR trade association, AIRC, should be meeting with PPL to discover the outcome of a PPL Board meeting this Monday.

It is understood that an interim proposal set to run until the outcome of the Mergers and Monopolies Commission reports on the needletime issue, has been put forward by the ILR industry.

The stations are seeking unlimited needletime on both AM and FM services, and a lower percentage rate than currently being paid.

# CLYDE-FM SETS AUGUST DATE

RADIO CLYDE's new CLYDE-FM is working towards a mid-August start date in the hope that interim proposals to PPL over needletime are acceptable.

# ILR FRANCHISE WORRIES

Seven ILR stations current franchises with the IBA are set to expire in 1990, and they are concerned because of the delay in radio legislation.

If the Government had put the radio Bill before Parliament this autumn, all ILR stations were to work to a hand-over date of January 1, 1990, when they would automatically move from being IBA-franchise holders to RADIO AUTHORITY licence-holders.

Now that legislation will be delayed, and should be introduced to Parliament in November 1989, that scenario is impossible.

The IBA and HOME OFFICE are now talking of how to 'fill the gap' the delay will cause.

Whilst AIRC is proposing a "One Clause" piece of legislation to extend the franchises of the seven ILR stations concerned, the HOME OFFICE says this would not work, as MPs would attempt to make it in to a Radio Bill.

However, if the IBA has to readvertise the franchises, it would only be for a short period of time. Then they would have to apply, as would all other licence applicants, to the RADIO AUTHORITY, once it was set-up.

It is also thought that prospective new entrant groups may also step in to apply for these 'short term' franchises, thus making it possible that long standing ILR stations could lose their franchises, and then have to closedown until they could apply to the RADIO AUTHORITY for one of its licences.

# CAROLINE

A spokesman for RADIO CAROLINE has told NOW RADIO that whilst a break in daytime transmissions (see page 7) is only temporary, four weeks off the air may be "a bit hopeful...but when it does return everyone will be refreshed and we would have plenty of time to look closely at exactly what we want to do in the future." explained that the shortwave transmitter used for WORLD MISSION RADIO was now carrying CAROLINE programming between 0000 - 0600. and that a different format may be broadcast on that frequency, subject to such talks.

# BORDER BLASTER

KISS-FM, the Irish Border-blaster, has settled on 1170 kHz AM, following problems with interference from transmissions on 1008kHz.

# SUNSHINE HIKE

Dublin-based SUNSHINE RADIO has increased transmitter power on its 531kHz AM transmissions and reports of reception are being received from many areas of Northern England, North Wales and Southern Scotland.

# RADIO FESTIVAL 1988

# STARTING UP A RADIO STATION - IAN J D ANDERSON (SIBC)

of this session "starting up a radio station". 15 Thank goodness it's not called "HOW to start up a radio station". I'm sure many of the people at the festival today, who have been in at the start of one or two radio stations, would agree the message comes out loud and clear, there is no absolute "how" to start a radio station.

Of course there is a series of events which would normally lead to the establishment of a radio company, and there may be on how to do this. But every business, including any of the nearly fifty commercial stations currently on air. 0005 through that process in its own way.

T --A-company is formed, and finance raised. Negotiations begin for sites, the bringing in of power and telephone and even Applications are made for planning permission and studios and transmitter sites. and building control warrants for studio buildings which have to be converted or built. company has to be registered for VAT and PAYE, furniture and office materials purchased, everything insured and staff sought.

A -balance i s struck between what is wanted and what is affordable. A building is chosen that can be maintained which leaves room for growth. It is also chosen because it is with the commercial sector οf town but interference from large mainframe computers and mobile radio Finally, it is discovered that the range of professional equipment; available is exactly the same as everybody else uses, IBA:specy or no-IBA spec.

that tAll bof bthis you know. From now on any perceived advice becomes narrower, it is personal and particular, not peculiar, and refers to a circumstance or range of circumstances.

If our company reflects any field of broadcasting whatsoever, and...we awould inever ever claim to represent anyone except ourselves, then we would say we have shown a way to make it serve large, predominantly rural, low-population These areas are usually remote from the main population of the UK and thus remote from the diversity of entertainment and information, including broadcasting, already available main centres.

The idea of a station serving low population, but geographically large region is virtually unknown Britain. 1 П The possible examples that have existed have two advantages. first is to have most of their audiences in at least one fairly nearby main town. And the second is that they have no political requirement to serve all of a specified solid signal. Their signals go as far as they can, thanks to the IBA, and that's the service area.

Our station has to (eventually) service everyone equally (no

Our broadcasting colleagues in the have resolved it with 13 FM transmitter sites, 1 MF site (200kW) (There are currently only 9 TV transmitter sites in Shetland, leaving large areas unserved).

The planning of a station like ours probably has more to from the rural stations of Canada, or perhaps the United

areas, there is absolutely no reason why

a station by a family is probably the only way a local station could ever be started and continuity over the years and ensure that the station survives

A small station should always raise capital from within its

gaps!) with a solid signal in a hilly, island, area kilometres by 75 kilometres. Our broadcasting colleagues in neighbouring island group of Farce have similar problems, have resolved it with 13 FM transmitter sites, I MF site (2 and over 50 TV transmitter sites. (There are currently onlead over 50 TV transmitter sites.) The planning of a station like our sprobably has mor learn from the rural stations of Canada. Or perhaps the United States. The following rules are those we had to establish ourselves, based on our own experience.

RAISING CAPITAL

Resist the temptation to base the company too widely. In s population, and rural areas, there is absolutely no reason the radio station should always a local station could ever be started the radio station should always a local station could ever be started the money found. In addition, family ownership will giv continuity over the years and ensure that the station sure when times are tough.

A small station should always raise capital from within ownership, if possible, and resist financing from banks or o expensive forms of money.

A lot has been said over the years about grant—aid for expensive forms of money.

A lot has been said over the years about grant—aid for expensive forms of money.

A lot has been said over the years about grant—aid for expensive forms of money.

A lot has been said over the years about grant—aid for expensive forms of money.

A lot has been said over the years about grant—aid for expensive forms of money.

A lot has been said over the years about grant—aid for expensive forms of money.

A lot has been said over the years about grant—aid for expensive forms of money.

A lot has been said over the years about grant—aid for expensive forms of money.

A lot has been said over the years about grant—aid for expensive forms of money.

A lot has been said over the years about grant—aid for expensive forms of money.

A lot has been said over the years about grant—aid for expensive forms of the propertion.

A lot has been said to the ground access A lot has been said over the years about grant-aid for the We have seen no is loan Having said that, we have heard that at least one or two IR stations were successful in receiving grant-funding, and low-interest funding, despite the

Allow a generous amount of time for every stage of the planning, building and installation process. At best a new station would be hard pushed to come on air, from scratch, in less than

Virgin sites can A massive part vanish into holes in the ground, access tracks, and telephone connections to the site, and other civils

hire of tower-space for aerials, right up to an integrated system

Farticularly in the early days, the owner-manager should keep a tight control on all aspects of the station, including finance, programming, and technical standards. As the station becomes established, there will be room to back-off gradually, until most of the day-to-day responsibilities are transferred to the staff.

STAFF

Small stations should resist the temptation to hire big names at over-the-top salaries. A local person, with suitably thorough training, can be an asset to the company, and attract the local audience and advertiser. The local person will probably be less troublesome as well.

However, good staff will not be found overnight. There are many trials and errors, additions and eliminations, as the basic team builds up. The management must be prepared for resentment for those who fall by the wayside. Such resentment will be short-lived.

Although modest wages can halp cash-flow in the early days, staff station should plan for a small should be small plan for them. The station should plan for a small should be introduced right from the start. Simple rules are best, but must be absolute (for instance we are an entirely non-smoking station). The staff should be made aware they are absassed station, and they should behave accordingly.

BUBGEIS

Sm

rural area, might get away with a transmitter installation costing less than £100 a week, transmitter costs can be up to £500 a week for a 4 kW (transmitter power) FM installation up to £1000 a week for a 100W medium wave operation (£200 for electricity alone) or £3000 a week for a 50kW medium wave operation (nearly £2000 a week for a 50kW medium wave operation (nearly £2000 a week for a 50kW medium wave operation (nearly £2000 a week for electricity).

PROGRAMHING

No station can be "all things to all people" and no station should therefore decide on its target audience, the one it is comfortable with, and style its programming to suit. Then it should stick to its guns whatever the initial complaints or criticism.

A small station should regard nationally produced sustaining services with great suspicion. They should always be listened to before they are accepted. We would love to take a satellite service to back-up our broadcasting day, but all such services are metropolitan orientated. For instance, we have found shows such as the Network Chart Show to be entirely unsuitable for our adult-rock/adult-country music and local-information format. Both the contents and the presentation would co-exist uneasily with our format, and entirely local on-air tempolid always ignore on the records.

On the music service and freebles, should they actually get them. The small station should always buy the records needed. This will save time, and, in turn, save more money than you spend on the records.

As a family-owned station, appealing to a family audience, we have a ban on controversial subjects, religion, politics, racy language and gorey detail. We do not allow phone-ins, which are in our experience are usually hijacked by publicity seekers. We also have a ban on controversial subjects, religion, politics, racy language and gorey detail. We do not allow phone-ins, which are in our experience are usually hijacked by publicity seekers. We also have a ban on controversial subjects, religion, politics, racy language and s

to devote to local newspathering. If there is to be a decision between local and national news, we would say drop the national news and keep the local. After all, most national news bulletins are very London orientated.

We have been trying to find a suitable national news source for years. Me wanted a service that wrote bulletins in a non-sensationalist style and provided specialist bulletins of maritime, fishing and Nordic news. In the end we gave up, and now subscribe to special information services. This means that we still have to seek out those non-local stories, edit and rewrite them, and then store them in our own news-file as opposed to being able to access a national newsfile and database.

This is obviously more staff intensive than the rips would love to nave a national news service at the file of a fader, but not one that is unsuitable. So if anyone is thinking of starting a service which goes heavy on news about Scandinavia, including Iceland and Farce, ships and fishing, then give us a shout. We will be very interested.

ADVERTISING

A small station should always keep the local ratecard simple and build-in an equally simple traffic and invoicing system. Local advertisers won't be able to make meave the small stations should offer simple package deals and fixed-length, fixed-rate spots. We have one rate for all spots, and one length (60 seconds). The advertiser can use all of the 60 seconds or part of it, at the same fixed cost. Substantial discounts of up to 40 percent are offered for monthly totals and annual fixed contracts.

Smaller stations will have to accept that most local spots will have to be delivered live. Smaller advertisers will not be able to afford production costs in addition to the fact that Small stations that devertising will probably be almost non-existant, although local retailers and wholeseliers will have local budgets from national companies.

Rules should be established for the "acceptance of advertision" will probably be almost non-existant, although local retailers and

Only form of income, is the selling of advertising time. The only free announcements we carry are those which affect the immediate safety or well-being of the community. That is to say emer gency messages.

OPPOSITION FROM SEGMENTS OF THE COMMUNITY

Be prepared for opposition from individuals and more particularly, the local press, especially where the paper has been establish as the local advertising monopoly for dozens of years in not a century or more.

But the evel of windictivess by our local paper tool us by surprise and quite frankly it hurt.

WOULD WE DO IT AGAIN?

It's now been over 24 years since the I first became interested in the idea of a local radio station in Shetland, although it's possible that one or two would have had the idea earlier particularly around the time Farce started broadcasting (1957).

For dozens of years we received the yes-no treatment from those we vote in to look after our airwaves. We invested all, and spent years of our lives preparing, planning and working on the project. So would we do it again, or would we have done it if we had known it would take so long? The answer is quite definitely, NO.

That's not to say we are unhappy with our product or with the service we supply to our people. It's just that the hold-ups have had financial and emotional costs that have been almost unacceptably high.

DIARY DATES

Sept 22-25. SOCIETY OF BROADCAST ENCINEERS 3rd annual convention. Convention Minter Gardens, Blackpool.

November 16. RADIO JOURNALISH, Organised by the ASSOCIATION FOR RROADCASTERS (NAB)

Washington, D.C.

Sept 14 - 17. RADIO '88.

Sophosored by the NATIONAL ASSOCIATION FOR RROADCASTERS (NAB)

Mashington, D.C.

Sept 12 - 3. REX'88 (Radio Canvention, Winter Gardens, Blackpool.

November 16. RADIO JOURNALISH, Organised by THE RADIO ACADEMY, Portan hotel, Lendon, Winter Gardens, Blackpool.

November 16. RADIO JOURNALISH, Organised by THE RADIO ACADEMY, Portan hotel, Lendon, Winter Gardens, Blackpool.

November 16. RADIO JOURNALISH, Organised by THE RADIO ACADEMY, Portan

USEFUL ADDRESS
GUIDE

A listing of isportant addresses and phone numbers for broadcasters. Please informs in tyou feel some information could be added to this listing in the future.

CHAPTER COULT WITHOUT TOO BY THE TOO

WE ALWAYS VELCORE YOUR LETTERS FOR PUBLICATION PLASE SEAD THEN 10: THE COTTOR

NEW RADIO POSDI 45
KETTERING NORTHANT'S NOILE RADIO RADIO POSDI 45
KETTERING NORTHANT'S NOILE RADIO RADIO POSDI 45
KETTERING NORTHANT'S NOILE RADIO R WE ALWAYS WELCOME TONE LETTER FOR PUBLICATION, FLESS SIMD INFO THE FOR PUBLICATION, FLESS SIMD INFO THE TOR THE FORD THE

As space:

Je pleased to ansatter power.

Lity increased at This substantial senure the best into for all those of the largest IIR all our programses.

AMP SILIES Programs Controller MERISMO PROF.

AMP SILIES PROGRAM PROF.

PS. I was intersted to note your report that ROBE ELEN of RADIO NOVA has attacked IIR Split Frequency Bus attacked IIR Split Broadcasting plans attracks, as it was attacked IIR Split Robot Program Pr ### AND PRUME THE AND STATE OF CARCINE THE AND HATCH FOR THE AND H

in cascore's progresses one inexpert

In cascore's progresses one inexpert

in cascore's progresses one inexpert

in cascore's progresses one inexpert on a reduct the minutes trying to a set in the minutes trying to a set in the minutes trying to a set in the cion manuals hardly cause the d'clear to spring to sind. In y case, I don't know any drivers yeelf who have the foresight to provide passengers with a copy of the instructions for the reduct on a piece of string beside the sat, for the benefit of those sight want to change the settion.

Joseph Setting to the setting to the setting to the setting since sized break, and hottest thing is more and hottest thing to have been around just after the Second World' RES must therefore be to thome the setting to this the world wireless in living secony. Afty the transistor's been around just after the Second World' RES must therefore be to set important thing to happen the forey warm where important than the invention of tell jove! You had better revised on the second of the seco



# PHOENIX COMMUNICATIONS

# BROADCAST RADIO SERVICES.

We supply a wide range of professional studio and transmission equipment (including signal processors) as well as manufacturing broadcast transmitters and link systems. In addition, we offer custom design and consultancy services.

If you are planning to apply for a 'third tier' licence when they become available. then talk to us first. As well as meeting your equipment needs, we can provide detailed assistance with the various aspects of planning a radio broadcasting operation. Our consultancy service can produce a complete technical appraisal of your plans and even help prepare the necessary documentation for your licence application.

For more information about our specialist services and the range of professional products we can supply please contact us by telephone or letter.

# SPECIAL EVENT RADIO:

FM and AM transmission systems are available for hire anywhere in the U.K. Our low power medium wave system has been a great success over the last two years and we have added stereo FM and higher power AM now that these are available within the revised licence conditions. All our Special Event transmitters are fitted with Orban audio processing. We will be pleased to advise on which system will best suit your requirements.

The Home Office require at least six weeks notice of an intended proadcast. To avoid the possibility of disappointment due to over booking please contact us well in advance of your proposed transmission dates.

# PHOENIX COMMUNICATIONS:

EQUIPMENT AND SERVICE PROVIDERS TO THE EUROPEAN BROADCAST RADIO INDUSTRY.

11, Barclay Oval, Woodford Green, Essex, IG8 0PP, ENGLAND.

Lawrence Hallett and Martin Spencer BSc.

(01) 500-0890 and (01) 506-2318 (ans.)

PLEASE NOTE: It is a criminal offence to install or operate transmitting equipment in the United Kingdom except under, and in accordance with, a licence issued by the Home Office. WE WILL NOT SUPPLY EQUIPMENT TO UNLICENCED 'PIRATE' OPERATORS IN THE U.K.

# Wireless Workshop

# We're the first!

Wireless Workshop were the FIRST people outside the BBC or the IBA to operate a broadcast transmitter legally since the 1920's;

FIRST to bring effective Audio Processing within the reach of student and hospital radio;

FIRST to promote 'active aerial' inductive loop systems for private in-house broadcasting services;

# Now who's next?

Call us today if you need Special Event Radio transmission gear: You can hire a complete transmitter system from Audio Processor to aerial at a very competitive rate;

Or contact us if you would like a private IL system for your offices or buildings.

25 Ditchling Rise, Brighton BN1 4QL (0273) 671928