

CAR TALKS

ISSUE No.11

60p

I'M HANGING OUT
FOXY LADY. I'VE GOT
ONE FOOT ON THE FLOOR
ONE ON THE DOOR AND
SHE JUST WON'T TAKE
NO MORE

TOSS YOUR
HAMMER BACK IN
THE OLD TOOL BOX
BIG BOY—
I'M BEGINNING
TO FLY

YOUR MONTHLY GUIDE TO
CITIZENS BAND
RADIO



CB NEWS

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CB NEWS



NEWS RELEASE

Home Office

LEGAL CITIZEN'S BAND SERVICE IN THE AUTUMN

Home Secretary confirms 27MHz FM Frequencies

The Government's choice of frequency is the only one which offers an early prospect of a legalised CB service in this country, the Home Secretary said today. Answering a Parliamentary question from Sir Patrick Wall M.P., Mr. Whitelaw said he had carefully considered the wide range of views on the question of adopting the recommended European frequencies for CB.

"Because of the growing demand for a CB service and the serious situation which now exists through interference caused by illegal AM equipment, the Government's first priority must be to introduce a viable FM service in the autumn. This can only be achieved now by using the frequency band 27.6 to 28 MHz" said Mr. Whitelaw. "40 channels will be available with a transmitter output of 4 watts. The performance of such equipment would be superior to anything which has been adopted in Europe."

But, said the Home Secretary, he recognised the force of the arguments put to him that we should move towards eventual commonality with Europe. "It will be our objective in the longer term to adopt the relevant specification recommended by CEPT (European Conference of Postal and Telecommunications Administrations). We therefore propose to consult with those concerned in order to reach agreement on the relocation of the existing authorised services in that band and on the protection of the services which would be affected."

The specifications for this service and for the additional one at 934 MHz will be available from HMSO today, price £1.90 each.

BACKGROUND NOTE

The CEPT (European Conference of Postal and Telecommunications Administrations) advisory specification, recommended several years ago, prescribes a frequency band of 22 channels on 26.96 to 27.23 MHz, and a maximum radiated power of half a Watt. Most European Administrations observe the 22 channels but they show very considerable variations in other ways. France, Germany and the Netherlands permit only an FM service. Germany and the Netherlands follow the C.E.P.T. recommendations including the ½ Watt maximum permitted power, while France authorises a power output of 2 Watts.

Although some countries permit visitors to bring in non-standard equipment, countries with a high population density and a heavily used radio spectrum like the UK do not permit the use of equipment which does not conform

fully to their specifications and has not been type-approved for use in their country. Over much of Europe therefore, visitors using CB equipment which does not conform in all respects to the C.E.P.T. specifications would not be allowed to enter a country with it — if they were, they would face prosecution if they used the equipment.

The system to be authorised in the UK in the autumn enjoys 40 channels and 4 Watts power — superior to any of the European systems.

SPEECH BY MR. RAISON to the Radio, Electrical and Television Retailers Association

Perhaps I might first say a word or two about the kind of service that we shall be authorising. As you will know we shall be legalising the use of equipment on both 27 MHz FM and on 934 MHz FM. The latter was, and still is, our preferred choice, because it will in our view give an adequate range in most conditions, and will cause the minimum of interference to T.V. and other authorised radio services. It also gives very clear communications, being more free from ignition and other noise than 27 MHz equipment. Although these claims have been received with much scepticism I very much hope that 934 MHz equipment will be produced and that those who use citizens' band will come to recognise its virtues. There are signs of a move towards the use of this higher frequency for citizens' band in Europe and in North America, and if this develops economies of scale should bring down the price of the equipment. There will, of course, be no objection to 27 MHz and 934 MHz FM equipment being combined in a single set.

There has been a good deal of argument about the Government's choice of modulation and frequency sub-band. So far as modulation is concerned I emphasise that in reaching our decision we had available to us the results of laboratory tests and field trials which indicated that 27 MHz AM equipment was several times more likely to cause interference, given the pattern of use in this

country, than comparable FM equipment. These results agreed with tests and experiments on the Continent. Furthermore, we have the hard evidence of mounting complaints of interference caused by illicit C.B. transmissions which now constitute more than double the complaints of interference caused by all other interference sources put together. Television reception and broadcasting are particularly hard hit, but police, fire, ambulance and hospital paging services have all also suffered.

Having decided on an FM service, on 27 MHz, the Government had, in deciding on its precise location in the frequency band, to consider the existing pattern of authorised use in that band. The channels used in Europe in the lower part of the 27 MHz band are heavily used in this country in particular, for paging services and model control. These services are suffering a good deal of interference from illicit C.B. use and may have to be moved to new frequencies but this cannot be achieved overnight.

Hospital paging services operating on 27 MHz would in particular take a considerable time to re-locate. The overriding priority is to offer a good legal C.B. service quickly in order to discourage harmful AM use, and the frequency that we have chosen — 27.6 to 28 MHz — is the only one which affords this prospect. Of course we recognise the argument in favour of commonality with Europe but I

must stress that this is not within reach at present.

Since the requirement is to provide a good service with a much lower interference potential quickly, we are setting up the service using 40 channels with 4 Watts transmitter output power in the 27.6 to 28 MHz band. The amount of spectrum allocated and the power limit have been acknowledged to be generous and much better than anything permitted in Europe. Any other solution would take years to implement, or would have to depend on a very severely restricted performance. I do not, however, doubt that effective harmony within Europe will come and it is certainly our objective to achieve commonality with our European partners as soon as agreement can be reached on the re-location of the existing users in this country of the relevant frequency sub-band, but this is bound to be some years away.

I now turn to the arrangements for bringing the new service into operation. Users will need a licence which will define what equipment may be used, and how it may be operated. C.B. apparatus which is to be marketed in the United Kingdom will be required, by interference regulations made under section 10 of the Wireless Telegraphy Act 1949, to conform to the technical standards outlined in the relevant Home Office performance specifications and to be certified accordingly.

These specifications cover the minimum requirements necessary to minimise interference to other services without unduly increasing the cost of the C.B. apparatus. To assist retailers and users to identify this interference free equipment a standard mark of compliance is recommended in the specification.

If equipment is marketed in contravention of the regulations it will be open to the Home Secretary, by issuing a notice under section 12 of the 1949 Act, to prohibit the manufacturer or importer concerned from selling such equipment.

I very much hope that British manufacturers will seize the opportunity of producing C.B. equipment. There was a good deal of initial interest, as witness the number of people who asked for a copy of our draft performance specifications, but my impression is that this interest has receded somewhat in recent months. It may be that some manufacturers here will be able to convert existing sets to the approved Home Office specifications at an economic cost, and we should certainly welcome this. There is a legal difficulty in that virtually every AM set in this country has been imported illegally and has therefore evaded the payment of import duty and V.A.T., but I understand that Customs and Excise are looking at this problem as sympathetically as possible.

Finally, I should say something about the licensing arrangements. I cannot give much by way of detail because the system is still being set up. It has to be able to cope with hundreds of thousands, possibly millions, of users and this constitutes no small task. The system will however be run by the Post Office, and will be similar to that used for T.V. licences. Licences will be available at the counters of most Post Offices as well as by post from the central record keeping agency. Renewals will be dealt with in the same way.

We have made good progress and there is no reason to suppose that the licensing system will not be ready to operate in the autumn. We have not yet established the licence fee; clearly it will have to cover the quite considerable costs involved in setting up a licensed C.B. service and dealing with the associated interference, but we have no intention of pitching the fee at a discouragingly high level.

We are giving some thought to the conditions of use. We shall want to make these as simple as possible and while it will be necessary to include standard conditions such as the usual prohibition on grossly offensive transmissions and on advertising or soliciting for business, we intend to make the conditions less restrictive than in most other radio transmitting licences. There are many points for consideration; for example, should the licensee be enabled to allow members of his household and his employees to operate his C.B. equipment, and how many items of equipment should be covered by the licence fee? What arrangements should be made to control the use of equipment hired out by the licensee? It will be advisable to ban the use of C.B. equipment in aircraft: should any further restrictions be placed on where C.B. equipment is used, or are such matters better left to a code of practice to be negotiated with the

C.B. organisations? All these matters have to be settled before the licensing system comes into effect.

To sum up, our aim has always been to have a legal service in operation by the autumn. This has dictated an extremely tight timetable; a complex licensing system has to be created and millions of licence forms and fee stamps have to be designed, printed and distributed. Manufacturers and importers have to know the permitted standards so that they may design, manufacture and market the equipment accordingly which means in turn that the order banning all 27 MHz equipment has to be amended. In addition we have to produce regulations on the criteria that will have to be met to prevent interference to other authorised services.

We are on course to complete all these stages in time. I have no doubt that legalised C.B. will give a great deal of pleasure to a large number of people, including many who have at present no thought of using such a facility. It is the Government's hope that with this credible alternative to the illicit equipment now in widespread use the many C.B. enthusiasts will turn to it and continue to enjoy their hobby with approved equipment that will reduce the amount of interference to other users of radio.



Fidelity Radio's starter unit for the new Citizens Band radio service which the Government plans to introduce in the autumn on 27 MHz FM. This basic unit, the CB-1000 FM is expected to retail at around £60 with a more sophisticated version selling at approximately £80.



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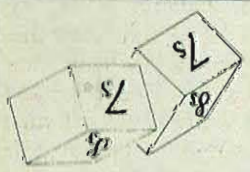


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SPEAKING SIDEWAYS

A Passing Shot/But not a parting Shot?

It appears that once legalisation is with us, our members & fellow SSB operators will be the only ones with no place to go. It appears that the CB fraternity have turned their backs on this countries SSB DXers, most of these DXers are also members of clubs who support NATCOLCIBAR?. For now we understand that the supporters(?) of NATCOLCIBAR have decided to try and push us the SSB DXers from our portion of the 11 meter band. The 27-500 to 28-000MHZ portion of 11 meters has for almost two decades been the domane of the worlds 11 meter CB SSB DXers. How can a bunch of NEW CBERs in the world of CB justify their attitude to us who represent the Worlds 11 meter CB DXers.

The British Sideband Network was operating and promoting 11 meters long before any other group in this country put pen to paper. We are and have always been hard line operators committed to the CB cause, when most people were talking about CB speculating what it would be like, we were doing it. I think most people will agree that we have taken every opportunity to publicize our activities and inform the people, with more than 23,000 words published this year alone, throughout the world.

As it stands the amateurs don't want anybody to have anything unless its another amateur. Natcolcibar not only want 40 Ch CB band they also want the rest of 27MHz. According to a Natcolcibar spokesman if we want to DX we should become amateurs. Yes, someone disguised as a CBER said that. How about that for — 'Selfrighteous'.

The British Sideband Network

have always supported 27MHz AM, but the 27-500 to 28MHz should stay with the SSB DXers, where it has always been. There is a strong movement throughout the world for an SSB DX band. We the B.S.Network along with NCRA, Australia, The N.Zealand National CB group, the SSB Network in the U.S.A. & Canada, G.I.R. in Italy, and the C.I.A. R.G. in Italy and the national Citizens Band group in Ireland are working together to build a band for serious CB DXers, The British Sideband Network hold a seat on the Worlds Personal Radio Congress to help build this service. All the national CB groups throughout the world with any real interest in a public radio service for its people have incorporated SSB DX into their plans for an up to date service. Those that haven't are in the main run by men who seek to strengthen the foundations of political or commercial futures. How the hell do the leaders of your British legalisation movement plan to clear the frequencies for this ensuing BEDLUM that will I promise you descend on you when you have good buddy channels on top band, have any of you even thought of that. Come to that have they your guiding angels even been on the band themselves? Have you?

When Natcolcibar should be trying to build a CB service second to none they are running around peering into small bags of narrow minded ill advised specs. What these people know about operating and the way this CB hobby has developed could be printed on a postage stamp.

The Amateur fraternity take us seriously, they have to, with only 25,000 registered amateurs in this country & most of them only licenced to use VHF frequencies the British Sideband Network

can call upon 13,000 supporters. With the varied types of equipment used by our supporters there is no radio service that could continue if these operators decided that they wanted to make their presence felt. There must be at least another 40,000 SSB operators who would feel as we do should either the government or NATCOLCIBAR have their way. But all these people are CBERs first foremost, and simply want to retain the band they already use.

We have always supported the rights of the individual to choose radio in its various aspects as a hobby. But when one Group of CBERs choose to deny another group of CBERs the opportunity to develop. Then this sort of hypocrisy will not be tolerated. It is one thing to fight the government, it is also a pleasure to fight the amateurs who have so much and give so little, but it is a dreadful tragedy to have to fight ones own fellow CBERs. We should be building the widest fullest and most advanced type of public radio service in the world, with everyones needs being cared for, instead we have a bunch of none operating only get involved on paper bunch of theorists leading a bunch of narrow minded good buddies, who will themselves one day wish to progress out of the narrow 40Ch scene, and can't 'cos they didn't want to be seen ungrateful. We are not going to throw our arms in the air either and say thank you, thank you for what?? You the AM CBERs who like us have fought for a CB service are conning yourselves. You say that if CB becomes legal on FM you won't throw your AM rigs in the Dust Bin. But if you have your way and get 80Ch AM FM SSB, do you expect us to throw our radios in the bin as a sacrifice for you????????????????

If 11 meter SSB DX is too involved for NATCOLCIBAR to understand, or they simply don't have the experience and imagination thats needed to build a proper public service

radio system suited for the wider needs of the British CBER in the 1980's then for goodness sake get them out of there. Most of your NATCOLCIBAR committee are involved in CB simply to further their careers, they aren't CBERs or even interested hobbyists, they are name makers, CB is just another brick in the foundations of their otherwise very straight careers. The only thing these great CB leaders risk is a red face every time they open their mouths.

We won't be doing too much writing come October, you probably won't see too much of us either, but guess what, you're sure as hell going to hear us. If Mr James Bryant wants to speak with me he will have to get involved in operating one of those illegal CB Radio's 'wash your mouth out with soap 162'; or can Mr Bryant only talk about it?

Remember we have always

supported 27AM CB, how about 27MHz AM supporting us after all, we are building your future CB Hobby "now".

Albie C. Vickers
11 Meter SSB Operator &
President & Founder
The British Sideband Network.

NEW PRODUCT NEWS

OSCARocket...No longer do hams have to depend on "Uncle Sam" to get those OSCAR satellites up there. The OSCARocket kit makes it possible for your radio club or repeater group to launch its own satellite. The OSCARocket kit contains a solid fuel rocket of 350,000 lbs thrust and all the associated equipment necessary. You just need a nice open space of about 200 acres (available through any real estate agent - Ed.) Complete instructions come with each kit (batteries not included). For more information, ask for GEARVAKf OSCARocket brochure from GEARVAKf Headquarters.

Address your request to OSCARocket Special Offer, P.O. Box 114897A3j, Drawer 452, GEARVAKf Headquarters, USA. Allow 32 weeks for delivery.

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Mild comments on a recent event in California will encourage DX use:

CALIFORNIA MISSING AFTER EARTHQUAKE

Local DX hounds, Luigi Antenna and Edgar Aerial claim that QRM was down on the 15 meter band last week after a severe earth-

quake cause the disappearance of California early last week. "Its really much easier to work the Far East now," said Antenna. "I agree," said Aerial.

A similar note that NASA had discovered a way to cancel out gravity could also be useful in handling the local Bad Mouth Problem.

Joe Ventolo seems to think that radio is slowing down — an impression that may be confirmed by the British's government's impressive speed in getting C.B. organized. Also that the Morse Code freezes up in cold weather and has to be chipped off icy antennas.

While 'C.B. News' could chuckle for hours over Joe Ventolo's highly coloured style, we conclude with something called 'Slow Wave'. This is a technique — just available, at naturally great expense — which enables breakers and radio amateurs to transmit very, very slowly. This is ideal for folks with a limited vocabulary, or who do not want to rush into 27 MHz FM (and let's face it, who does?) Dr. Zwitching C. Transient explains that, by using a 6BY6 de-citer and a 6L6 reducing modulator, connected between the mike and the rig, he has been able to turn what would have been a normal 15 minute QSO into a languid contact

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lasting several hours. "I think, if more amateurs would build Slow Wave Adaptors, they would discover the fascination inherent in dull, long communications."

By the way, if you plan to visit the Annual GEARVAK-f AMATEUR RADIOVENTION AND C.B. HULLABALLOO, take your wellington boots. It's being held in Lake Michigan this year. Or is it the Okefenokee Swamp?

- Details of 'The GEARVAK-f' bulletin can be obtained from Joe Ventolo, 356 Coronado Trail, Enon, Ohio. 45323 U.S.A.

Joe told us that the bulletin started some years ago as an effort to spoof some of the newsletters he had seen from time to time. "This soon evolved into a satire of large American amateur radio organizations and of the amateurs themselves. GEARVAK-f is the fictitious organisation which I use to represent any large bureaucratic organization which I wish to parody. Well, it was fictitious until some years ago. In 1979, local friends began demanding to become members of this outrageous club. So I had certificates printed and made them members." There are now fifty members, which must prove something. The bulletin keeps afloat by occasional donations. However, if cash runs short, there are ways of raising it. 'GEARVAK-f' bulletin recently reported: 'White House proposes sale of 15 meter band to Saudi Arabia. Details at 11.00'.

Joe Ventolo's scoop says:— **EARTH'S MAGNETIC FIELD TO REVERSE**

The League of Radio Relaying Americans has invited all radio amateurs to participate in studies to monitor the reversal of the Earth's magnetic field on

Friday, May 15th at 8.15 am EST (1215Z). Since this unusual phenomenon has not occurred for many thousands of years, scientific observations from all parts of the globe are needed. According to League spokeswoman, Shimmie Damnper, reports are needed, "to

determine if radio waves will back up and go in the opposite direction when the field reverses." Because hams operate from all parts of the Earth's surface, their reports will be an important part of the data collected by United Nations scientists. For its part,

GEARVAK-f has assigned 15 members of its Scientific Studies Committee to work with League and United Nations observers to take propagation measurements. One member, Dr. Ionos Pheer, predicts that, "all radio propagation will stop and there will be no more DX, ever." Although the actual effects of the magnetic field reversal are, as yet, unknown, some scientists have blamed such an event for triggering ice ages and eliminating the dinosaurs from the face of the Earth. With that in mind, LRRR officials have cautioned all hams participating to "be careful".

However, some British C.B. Clubs are arranging extra raffles and sponsored eat-ins to raise funds to put the earth's magnetic field back where it belongs. Which may be good news if you did not rush out and buy new equipment.

Other perils reported in the

'GEARVAK-f' bulletin have included the leading of a task force — by a Texan, naturally! — to see if the radio spectrum can be prevented from blowing up through overloading by over-enthusiastic DXers. The public is urged to cover the roofs of buildings with aluminium foil, but removing the turkey wrapped in it first.

The only problem with a bulletin like this is that it could fall into the hands of government bureaucrats who would probably feed the info to reforming M.P.s:—

Mr. Wyn Nowt, M.P. for the Dedloss Constituency: Are hon. members aware that a well-informed publication from the U.S.A. — I refer to the 'Gearvak' Bulletin — confirms that C.B. radio causes a fall in the birth rate?

Even the entirely fictitious reviews in the bulletin have an aura of credibility, such as you

get when you touch a live rig. Your reporter even sent off for a copy of 'Jokes I Told The FCC Examiner' by Federal Prisoner No.6834659. Maybe this is one of them:—

FCC DEMANDS END TO MALE, FEMALE PLUGS

In a surprise order issued last Thursday at midnight, the FCC has demanded that the electronics industry end the use of male and female connectors.

Citing the arousal of purient interest among the young, the Commission charged that such connectors are often found "mated" and represent a condition found in the worst pornography. In a press conference following announcement of the order, FCC spokesperson Sandy Ampersand suggested the electronics industry replace the forbidden connectors "with alligator clips and banana plugs" until sexless replacements can be developed.

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If 'Private Eye' had humour like that, people might even start buying their own copies. They might.

Why not run one or two of these 'new product' reviews in your C.B. Club bulletin — or mention to friends that you plan to get one — and see how soon you're asked if you can get one for them, too:

27 MHz BAND TURNS PURPLE

Hobby radio has always attracted pranksters, and we are still not sure if a magazine article linking C.B. and UFOs should be taken seriously. Seems that if you soup up your rig too much, you might get a flying saucer in the flower bed, a Martian on the patio or a Buzby at the front door. So check that the garble you get on your rig is only unscrambled Single Sideband.

A current jester of the air-waves, helping to lighten the load of many a breaker on getting his bank statement, is Joe Ventolo who works at the United States Air Force Museum in Ohio. Joe tells us that the Museum has a Spitfire, a Lysander and a Sopwith Camel (none of these are as ancient as the dedicated breaker's car). Bearing in mind breakers everywhere have problems with the bureaucrats, Joe produces a happy little bulletin which deserves a place in the C.B. annals. It could also offer a few ideas to editors of C.B. Club bulletins, and to breakers who want to sound knowledgeable about the Noble Art on channel. Joe reports all kinds of imminent events that may (or may not) happen, often using quasi-scientific terms that gives the impression of real news.

Naturally, the Federal Communications Commission (FCC) the regulatory authority for U.S. use of the air-waves, comes in for merriment. The latest copy of Joe Ventolo's "GEARVAK-F" bulletin notes that the FCC is going to install sprinklers on the

20 meter band (that's nothing — the Home Office plans to put disinfectant on 27 MHz AM). Here's the report:—

FCC TO INSTALL SPRINKLERS ON 20 METER BAND

To preclude a repetition of the near disasterous fire which struck the 20 meter band last year, the FCC plans to install a sprinkler system on the band sometime in the fall. According to an announcement made last week by FCC Special Frequency Safety Engineer, Marvin Larpsnogg, the new sprinkler system will "sense the buildup of excess thermofrequency heating (TFH) and cool down the band before a conflagration can break out." Mr. Larpsnogg added that successful operation of the system could lead to the sprinkling of all ham bands by 1985, "provided water damage doesn't get to be a big problem."

SAFETY TIP: FATALITIES CAN BE DANGEROUS TO YOUR HEALTH. DO NOT SMOKE SOLDER FLUX! IT CAN CAUSE YOUR LEAVES TO TURN BROWN. — GEARVAK-F Committee on Ageing.

A current product under review is the 'Exploding Rat Amplifier' and 'C.B. News' has been trying to discover if this has anything to do with the 'Revolting Rat Bag Amplifiers' used in parts of Australia. Knowing that friends in one of the original C.B. magazines in Britain just love to criticize technical copy they did not write themselves, we dare not say too much. However, the fact that the earth's magnetic field has recently reversed may prompt you to polish your antenna.

This isn't a daft idea — some C.B. groups in the States have presented C.B. rigs to Police Departments and Sheriff's Offices. That the police are getting into C.B. systems is becoming more evident by the day. A U.S. firm has developed a gadget called the Rescu Emergency Location Alerting

System, which is a small sensitive unit mounted in the boot, or other place inaccessible to intruders. Before leaving the vehicle, the police officer radios his identity, location and a short report on local conditions, then activates the Rescu unit to the two-way radio. Then, when away from the police car, the policeman can use a remote actuator, carried in a pocket or fixed to his belt, to send a silent coded message to the Rescu unit in the vehicle. When the Rescu unit gets this message, it at once transmits to headquarters the message fed into the radio before the policeman went on foot. At headquarters, the Rescu message is used as an emergency call for help, or investigation immediately. Vehicles, for example, picking up the Rescu message, get the identity, location, and local conditions, and get to the Rescu-fitted car. From that, they can move into action.

Value of the Rescu system is well recognized by users. It saves time, enables a message to be sent at a touch of a button, and does not necessarily alert crooks and the bad guys listening in. Presumably, a coded (electronic) signal may be introduced so that only the Police Department recognize the inherent Rescu signal. Some might say that's placing a lot of faith in electronic circuitry. But this is certainly the kind of equipment that will be distributed to police forces in Britain before long (assuming the government's got any money left after helping B.L.)



" At last! No interference from the engine."

GETTING STARTED ON FM—CB

After being deluged by good advice by the metric tonne, who needs another 'how to do it' article? Well, we've got Ma in mind for this one, a dapper and mighty energetic lady who wouldn't do anything illegal, and who currently thinks AM is when she does the washing. By the time you read this, you should be able to get some definite information on availability of (legal) C.B. equipment from local dealers, including retail chains (Dixons, Boots, Lasky, Tandy, etc.) and friendly independents. Or you may want to drop a note to manufacturers and/or distributors of C.B. for information and a retail price list — we've mentioned a few at the end of this article. Remember that the cost of the antenna (aerial) is extra, and you may need to add £50 to the cost of a domestic C.B. — the base station — for this. For a car rig, the mobile, figure on spending £25. This is an approximate estimate, but antennae prices can be quickly checked as installations are generally identical for 27 MHz AM (the illegal but popular frequency) and the legal 27 MHz FM system. But do not plunge into purchase, before checking the government's regulations on C.B. To use your legal rig without problems, you will need to have an antenna that meets all the rules. And the Rules and Regulations for the American C.B. Service runs to well over fifty pages — Whitehall will be able to increase that and quite possibly without using one word of plain English.

However, don't get discouraged. You will find that many well established retailers have a package deal arrangement. Just like buying a TV, you can arrange to have an antenna installed by a specialist contractor, or retailer's own installation department.

Reading up about antennae can be as confusing as trying to find

comedy and drama in the Leeds Telephone Directory (there are one or two numbers that provide both, but we are not allowed to mention them). The C.B. magazines — notably 'C.B. Radio' — have published excellent technical features, but a lot of C.B. users want to use antennae for long-distance communication, or DXing, as it's

called. Legal C.B. users will not be so concerned (a) because FM is not suitable for this international chit-chat, though the illegal AM is; and (b) because DXing will certainly be illegal in the new British system. This (mercifully) means you do not have to spend five years getting a Diploma in Antenna Signal, Termination, Angle, Rotors,

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Degree, Long and Yagi (otherwise, from the initials, known as DASTARDLY). It helps to know a little about antennae, and one helpful and nice-to-read book is the 'C.B. Radio Operators Guide' by Robert M. Brown and Paul L. Dorweiler (Tab Book No. 799, £3.60, distributed in Britain by W. Foulsham and Co. Ltd., Slough). Although this is an American book, like most of the currently available C.B. literature, and therefore focuses on the U.S. 27 MHz A.M. system, it's a pleasant, well illustrated introduction to the fine art of C.B. use. AM (or Amplitude Modulation) refers to the mode of transmission — you may have AM on your radio receiver or radio cassette recorder, covering the stations we often call Medium Wave. FM (or Frequency Modulation) is the form of transmission giving better sound quality, but having relatively short range. You will probably find FM on your radio receiver or radio cassette, too, covering the stations we may call VHF (Very High Frequency). Comparing AM with FM reception on an ordinary domestic radio may confirm, to your own satisfaction, that FM 'sounds a lot clearer'. A quick word on antennae (or 'antennas'). The beam antenna is used for domestic installations, and sends the signal you transmit in what could be called 'a beam' towards the station you want to reach. The simple vertical antenna is primarily used for cars, i.e. mobiles. There are other antenna types, including coaxial, ground plane, yagis and quads. When you buy your legal C.B., you will probably find recommendations for antenna type in the instruction manual. Or, as we have indicated already, the retailer will be able to give some definite advice. In areas with a lot of ups and downs — Bath, for example, or valley, peak areas — you may need specific advice for your home.

You will be covered by normal consumer law when you buy your legal FM C.B., which means that the retailer has to sell a genuine article fit for its purpose

(or, in general terms, you are entitled to a refund). Also the FM equipment has to meet government standards.

If you are a newcomer to C.B. and are planning to get involved, you can consider the following:

- contacting local retailers to see where and when working demonstrations of legal C.B. equipment will be held;
- asking your local C.B. (or Breakers) Club if they will be having an FM section — whilst many C.B. Clubs continue to work for the legalization of 27 MHz AM, some will certainly want to develop work with FM (your guess is most will, sooner or later);
- running an advert in your local paper, under a Box Number, to invite other families interested in using FM to contact you, then maybe arrange a meeting to discuss possible uses for mutual benefit;
- checking with the local C.B. accessories stores on their plans for involvement in legal C.B. on FM — we know that some of these stores are owned/managed by very competent people, well up on C.B. But beware of a small number of fly-by-nighters, who simply want to unload all they can on the consumer;
- swapping C.B. magazines and books with friends and neighbours, since you cannot buy all those that may interest you — though we hope you will want to buy your own copy of 'C.B. News'.

The 'C.B. Radio Operator's Guide' by Robert L. Brown and Paul L. Dorweiler has a lot of ideas on the use of C.B., as it has developed in the U.S.A. In a very well illustrated chapter, 'Introduction to C.B. Radio', the authors show;

- public works repair men on site using C.B. to report back to base;
- sewer workers using C.B. to communicate with workers at ground level;
- children using C.B. to avoid getting lost in remote areas

(remember our problems on Dartmoor!)

- pleasure craft use of C.B. to initiate fun activities, and warn of any hazards;
- industrial use of C.B. for materials handling;
- agricultural use of C.B. — the tractor driver on a distant meadow can contact base whenever he wishes;
- business, motorists' and tradesmen's use, and much more. Although this is a book for all the family, this first chapter could give a lot of ideas to a teacher, or leader, wanting to create an interesting talk on C.B. 'C.B. Radio Operator's Guide' has the best collection of photographs on the uses of C.B. that we have seen to date.

British publications have yet to get into their stride, remembering that the Yanks have had C.B. for a long time. But 'C.B. 81' — a large, well illustrated and lively book — costs only £1.85 (Goodhead Publications, Bicester, Oxon. OX6 7OZ) and has a wide appeal. More technical, and really a book for the male, 'C.B. Radio', by Richard Nichols (Star Books) is well worth its twenty five bob.

Some people have asked if they need to know all the truckers' colourful language before going onto C.B. The answer is definitely, 'NO', but the simple 'Ten Code' — using numbers to signify message types — is useful, since many breakers use it. The lengthy, 'Ten Code' shown in the Star Book on 'C.B. Radio' represents all the U.S. uses — we do not use all those in Britain.

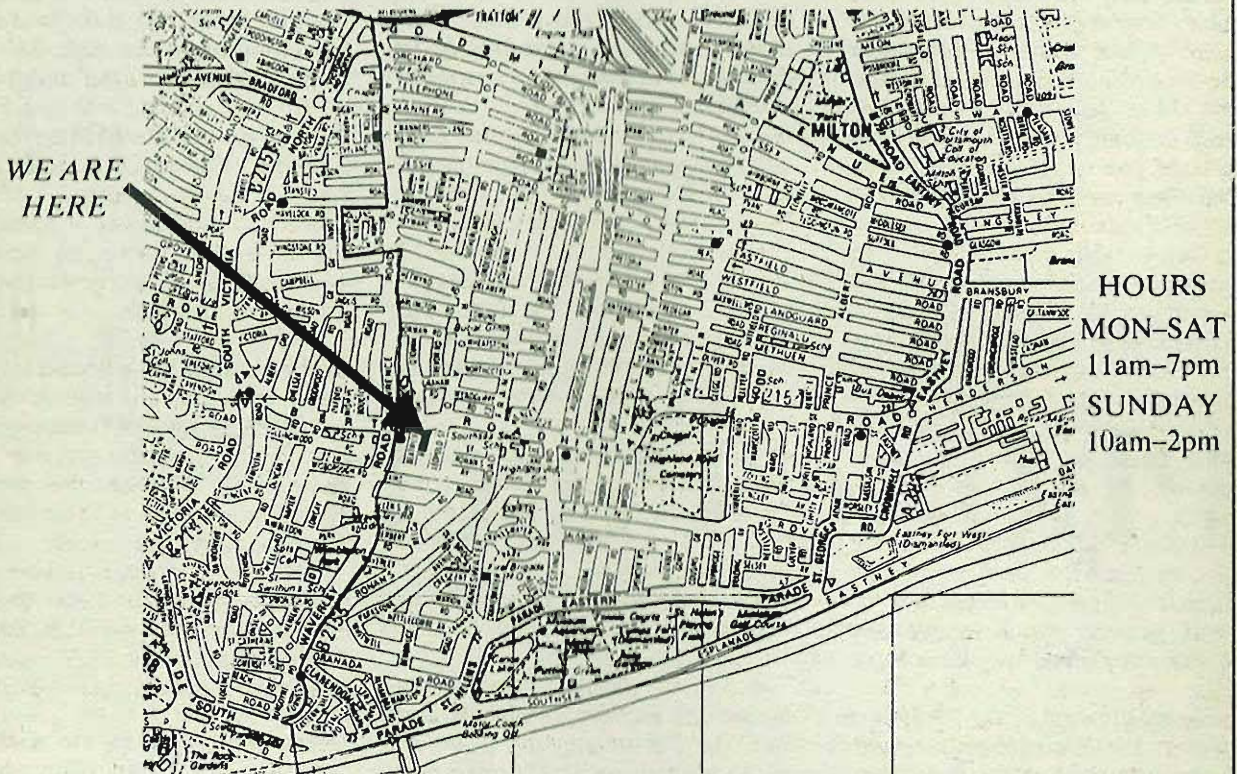
Many people get into C.B. by simply listening to other people using it, and for less than £20, you can buy a simple monitor radio (receiver only) that enables you to listen to the local breakers. As the 'News of the World' used to say, all human life is there, for good or bad. A new model which will enable you to listen in on the legal FM users has been developed — details of this Benksom monitor radio can be obtained from the manufac-

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Before closing this quick tour of the C.B. Options just ahead, we would like to mention Ma again. It's rumoured that C.B. is a male preserve. But many of the C.B. Clubs are kept in order by ladies who answer the mail and keep things organized. Also some of the most imaginative use of C.B. is handled by FM (Fair Maidens). See the 'C.B. News' feature 'Listen Ladies', for example, or the recent 'C.B. News' report on the Sydney housewives who have group discussions on their C.B. — 'Angels on Thirty'. 'C.B. 81' (Goodhead Publications) also

has a close-to-life piece on how housewives will be using C.B. in a year or two ('Really, Mrs. Bottoms, p.86/87).

You will not have to look far for good C.B. equipment at competitive prices. There should be a sales boom, if not bonanza, this autumn, when legal C.B. comes to town. Mainly because of government delays in announcing specifications, manufacturers have been reluctant to announce models. So our list includes some importers. We are happy to announce that a well known British Company — Fidelity Radio — plans to make C.B. So keep an

eye out for that. Some U.S. C.B. companies are also assessing business prospects on the British scene, whilst international companies like Sharp, Motorola and RCA sell C.B. equipment in the U.S.A. and are already well known in Britain. Another pointer perhaps...

Golden rules for buying C.B. are the same as for other consumer electronics — take care, ask questions, check prices, use a reputable dealer, read the instructions. You may be a tenderfoot now, but this time next year, you could be handing out advice like a true C.B. old timer!

Credit: 'from 'C.B. Operators Guide'

By Robert M. Brown and Paul L. Dorweiler

TAB Books (W. Foulsham and Co Ltd., Slough)

Companies planning to market legal C.B. equipment include:- Fidelity Radio Ltd., Victoria Road, London NW10 6ND; Binatone International, Binatone House, Beresford Avenue, Wembley, Middlesex HA0 1YX; B. Benkert Ltd., Henrietta House, 9 Henrietta Place, London W1M 9AG; Acme Electric Co. (Finsbury) Ltd., Acme House, 74 Great Eastern Street, London EC2; Daltrade Ltd., 181 Warwick Road, London W14 8PO; Eurosonic U.K. Ltd., Britannia Works Building, Sherbourne Street, Manchester M3 1EF; Academy Audio, Kohli and Co Ltd., K.C.L. Buildings, First Way, Wembley, Middlesex; Adam Leisure Group, Unit 2A, Ripon Road Industrial Estate, Harrogate HG1 2AU; Harris Overseas Ltd., Harvard House, 14 Thames Street, Barking, Essex IG1 0HX; Nentone Products Ltd., 18 Commercial Street, London E1.

Phone Patch



If you've had a 10-7 lately, and (for want of something better to do) have been watching some of the American Detective T.V. serials, you may have caught a 'Patch me through to Danno' somewhere in there. A license to play with gadgetry by the T.V. companies you may think. But not so.

Evidence appears in our sticky fingers (all these donuts you know) that the Phone Patch is not a T.V. gadget. It lives and breathes in a remarkably simple looking piece of equipment — not very impressive really — but the job of work it does is far greater than its appearance would have you believe. For something you could comfortably fit in the palm of your hand, you wouldn't think it possible to call up anyone with a telephone, be it in your own area, or even the rest of the world, if Buzby's put you on his International Subscribers list (assuming his claws haven't cut through the wires for not paying the last phone bill).

We have therefore reproduced below edited portions of an article about the Phone Patch, that appeared in an American Trade magazine, which gives full details of its installation. We make no apology for some of the terminology from over the pond or for the opening piece of dialogue — it really is a lot of fun!!

Ring Ring Ring Ring

"Hello honey, this is Mac. I'm on the road, heading home, need anything at the store?"

"The post, Jerry bought Danno's almost candy, the bats, see falling candy other, and

Mom and Dad are also coming over! It's a real madhouse around here! By the way, where are you calling from?"

"I'm in the car, talking on my rig!"

"What!?!?!"

"That's right! I'm talking from the car

and I'm almost home. Jerry just had a phone patch installed in his rig and he was nice enough to put my call through to you. Just thought I'd surprise you and help him check out the new installation."

"Whatever you say! Just get home to

this nuthouse before I lose my mind!!!"

This conversation may sound like it's really an adventure from the annals of amateur radio, but it's not. It is possible to use a phone patch in the CB service, too. Hams aren't the only ones with that privilege.

How many times have you thought that you'd like to have access to a phone from your car? If you're like me, then chances are the answer is much more than once. And, I bet you thought more than once that it's really not possible. However, now you know it is.

Well, if you're in this situation, there's help available from Gold Line. That's right, Gold Line, the maker of fine coaxial cable and accessories also makes a phone patch which works beautifully. It only takes about an hour to install and you're on your way.

The phone patch is a breeze to install in a rig. The beauty of this patch is that you do not modify your rig at all to install it. Essentially what you are doing is adding a new speaker path. The transmit and receive circuitry are left alone. Thus, you aren't violating any part of the CB rules and regulations. All it takes is two solder joints to the speaker terminals and two joints to the microphone input circuitry. That's all there is to it.

For the active channel monitor or

emergency group, the need for a phone patch is obvious. It gives you a chance to put your rig and phone line into play for emergency situations. This way you can help other CB'ers who would like to report trouble to the authorities; or they can call home to inform the XYL of car trouble or whether they'll be late getting home from work.

Thus, the imaginary conversation which opened this article may not be so farfetched.

The obvious benefits to the mobile CB'er are more than obvious. It brings the phone system practically into the front seat with the mobile operator. This way a mobile operator can place that important or emergency call, or he can just call home and chat. However, I think a phone patch should be reserved for emergency or need-based situations. Abuse of this privilege could lead to its loss.

When you first buy this simple unit it looks, well, just too simple. It only consists of a pop-riveted chrome-plated box with a phone-like connector wire hanging out of one end and a piece of two-strand, insulated connected wire.

Now that I've hit the why of a phone patch and given a brief look at what it looks like, it's time to describe how to install it.

For the technically-inclined hobbyist, installation of this phone patch should

take about an hour. For the not-so-technically-inclined operator, it should take an hour-and-a-half.

One note before we start the installation. It's really better for a base rig, but it can also be installed in a mobile rig that has been pressed into home service. And, if this is the case, I'd like to make a suggestion. Since you probably won't be using the public address output jack, you can safely have it disconnected to provide you with an access hole for the phone patch's connector cable.

Moving on, it's time for the patch's installation. And the first suggestion I have is to take a close look at the rig into which you'll be installing the patch. Although, as I have noted, the installation is easy, if you don't take the time to plan your work, you can still run into trouble.

The next move is to lay out your tools. You'll need a good low-watt soldering iron, a pair of wire strippers, a knife and some patience. Also, keep the work area clean because it's easier to work in a clean area than a messy one.

The next step is to carefully read — and re-read, if necessary — the instructions. This way you can't blame the instructions should something go wrong.

Now it's time for the grand opening. Simply remove the four or five screws holding the box or lid on your rig and

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you're ready to start. For this operation, the tool that will be needed will, more than likely, be a Phillips screwdriver. I'd suggest using one with a magnetized tip; it's much easier. But, that's only how I feel.

With this access gained, it's time to look at exactly what you'll be doing. First, find the microphone connector. The pins you'll be working with on this hookup are the "hot" wire, which may be a white, insulated wire or a pinkish red insulated wire and the ground wire. This will be a black wire (but more about this later).

(Here's a hint that may serve you well. It can get pretty crowded inside some of today's rigs. So, if you can't find the black wire, try and find a good ground point somewhere near the microphone. The patch should work as well. Also remember, don't reverse the polarity on your rig. Not only will you chance doing some damage to the rig's circuitry, you may also "blow up" the patch and you may also hurt the phone line when you do the final hookup.)

Next, find a way to snake the patch's input cable into your rig. The PA hole is a good idea in a mobile-turned-base rig. In a regular base rig, you'll probably be able to find a vent hole, slot or other hole in the chassis that is more than wide enough for the wire.

Once this is inside, it's time to strip away some of the outer covering of this three-wire cable. For this, you'll need a knife or razor blade. The reason is that if you try a wire-stripper, chances are good that you'll end up damaging one of the three wires inside the cable. You need the stripper once you take the plastic outer covering off.

At this time, Gold Line makes it clear that the only thing you are doing is adding extra wiring to the CB rig itself.

Its instructions note:

"In the following steps do not remove existing leads on loudspeaker or microphone connection."

This is all you are doing, no more. In this way you are not modifying your rig or having it modified and violating the rules and regulations.

After this the wire strippers come into play. You have to strip off about one-quarter of an inch of insulation off the red and black leads and solder them to the speaker terminals.

The soldering itself is really a snap, in fact, the whole unit is a breeze to put in. You see, there is usually enough leftover solder on the terminals so that all you'll have to do is heat both the solder and the wire and then hold the wire against the terminal until the solder sets.

Though the soldering is easy, sometimes the rig manufacturers themselves make things harder. For instance, on one rig, the manufacturer employed white and

white wire for the speaker terminals, instead of the more common red and black. The way around this, though, is that if this is the case, usually the manufacturer will also mark the terminals with a + and a -. The red wire goes to the + and the black to the - terminals.

What you've essentially done with this step is give the rig an external speaker capacity. In this case, though, it feeds into the control box of the phone patch, which is really an impedance matching transformer.

That's all you do here; the next step is a bit trickier. And, for this we have to backtrack a bit. When you first strip the red and black wires in the patch's cable, you'll notice there's a piece of shielded cable. In actuality, it's a piece of mini-coax. This mini-coax is really the third and fourth wires of the four-wire bundle. But, this is really being technical. For all intents and purposes, this is a three-wire bundle.

The next step is separating the mini-coax shielding. You have to carefully debraid the coax, being careful not to cut or nick the shielding. For this step, I'd suggest using a mini-screwdriver or small jackknife.

To debraid the coax, simply follow the twists and have some patience. It is easy to do, but takes a little time. In fact, this takes the most time in the whole installation.

When debraiding the coax, I think it's best to debraid about three-eighths-of-an-inch. Once this is done, twist this into a tight pigtail.

This is the first step at this time. The next one is taking off about a-quarter-of-an-inch of the foam insulation to expose the centre conductor. Once this is done, it's time to take a look at the mic connector inside the chassis.

Carefully inspect this connector. On some of the newer synthesizer CBs, there's an external circuit board. What you have to find is the "hot" input wire and a ground wire.

However, on most of the older model CBs, you will find that the mic connector is either three- or four-wired. And, on some of them — as I noted earlier — you'll find the "hot" wire isn't the traditional red or white. It may be pinkish or it may be yellow. I'd suggest looking at the schematic of your rig to determine which is the right wire. If you can't really read one of those, then look for the pinkish, red or white wire. The ground wire will usually be the traditional black.

There's another hint on the mic connector and that is that on many rigs the "hot" wire may have shielding, similar to the shielded cable in the phone patch's input wire. If this is the case, then you've found the one you're looking for.

One more guideline — and this one should nail it down — is taking a look at the connector itself. If your mic has a four-pin connector, it should also have a semi-circular cutout on one side or another. Turning your rig so that this cutout is at the top, the hot wire will be the top right and the ground wire will be the bottom right.

On three-pin mic connectors, again looking at the connector, the "hot" lead will be the one on the right, while the shield will be the lead on the left, with the cutout at the top, too.

Once you've gone through all these checks (or whichever one you choose), it's time to solder the centre connector and shield of the patch's input cord to the proper lead connection.

In this case, the centre connector goes to the "hot" mic wire, while the shield connection goes to the grounded wire. If you don't have easy access to the ground wire, then you can use any convenient ground connection near the connector itself.

A word of caution here — don't rush! If you're too quick or heavy-handed with the soldering iron, you run the risk of burning through one of the connecting wires or cables inside the rig. A light touch will do, but be sure that the solder join is also hot enough.

This is all the work you have to do inside the box. Now close it up and you're nearly two-thirds of the way home with this project.

Now you'll notice that Gold Line has sent you a two-wire connecting cable. This is to connect to the telephone terminal block. This installation is very straightforward.

If your house has old-fashioned phone terminal blocks, then you can use this two-wire connector cable. All you do is take off the terminal block cover and connect one of the wires to the red terminal (you'll see a red wire attached) and the other wire to the green terminal. **DO NOT** attach either of the wires to the yellow terminal.

Once you've finished this, merely run the cable back to the phone patch box itself and attach one of the wires to one terminal and the other to the second. It doesn't make any difference which way you do it. Now you're all set.

This may be okay for those folks with the older type of terminal connection, but in many newer homes and apartments you have the plug-in type of phone jack, so what's the way around this?

You should be able to obtain a length of phone jack wire from your local Radio Shack store and this will answer this problem. However, I have to admit you have to do a lot more work.

To prepare this cord, you first must open the outer cover of this cable and expose the wire bundle. There will be four wires to work with, but the crucial ones you're interested in are the red and green. Forget the other two! In fact, just clip them off.

Next, strip about three-eighths-of-an-inch of the outer covering from these wires, but be careful. Unlike other wires, these are rather flimsy little things and you can easily break them.

Once these wires are exposed, then you simply attach them to the patch's terminals and you're all set to try out your patch. From on the air testing, I can say it works well.

To test your rig, find an unused channel, and make sure you have a couple of good friends with you. Make sure that one of your friends is mobile and the other is at his home.

Have your friend request a call from your patch, for starters. After his initial call, acknowledge it and then pick your phone and dial the desired phone number. Don't turn on your patch just yet — the only controls on the patch are the on-off switch and volume control — because if you do, you'll be putting the dial clicks out

on the air. Keeping the patch off also eliminates the possibility that your voice will also be put on the air.

Now your other friend becomes important in this test. He's the person you're calling.

Once he comes on the line, turn the phone patch on and turn the volume to the middle position. Then, have your mobile friend begin the conversation. Your friend on the phone should be hearing the mobile now.

Now it's your other friend's turn and it's time to check the output side of the patch. When your friend on the phone wants to answer the mobile, you have to press the push-to-talk button on your rig. This assures continuous operator control. You have to hold the key down for as long as the person on the line talks.

You see, what's happening is that the patch is acting as both the mic and the speaker. It merely extends their capabilities outside the CB cabinet.

If you want to listen or take part in the conversation, Gold Line advises using the handset. This way, too, you can control the access to the patch and make sure that everything stays on the up and up.

The only time you use the mic, by the way, is to key up the transmitter.

During the testing, it's a good idea to adjust the phone patch volume, too. Make sure it's at a level which allows the mobile to hear well. Otherwise, distortion will result. Also, adjust your mic level to the lowest needed so the party on the phone can hear well.

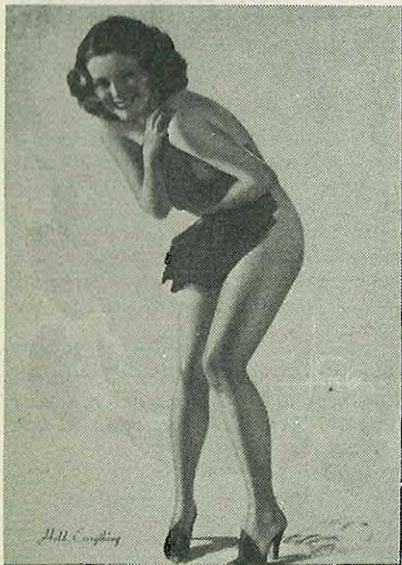
If everything works well — and it should — then the last thing to do is turn off the patch, and keep it off unless you have to use it. It won't affect your CB base in any way.

Just remember, use your patch responsibly and to help the mobiles out there who need a phone. Just remember all those times you did.

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QSL

You too can have glamour on your QSL cards

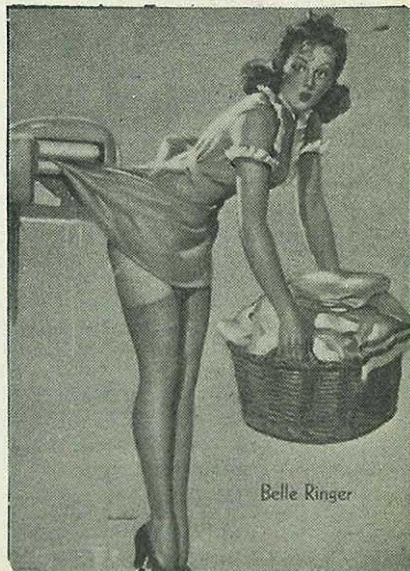


One of these days, we may get around to printing those fabulous covers of 'C.B. News' as picture postcards, QSL style. In the meantime, you can add a certain amount of joy to fellow breakers' mundane existence by tracking down those handsome postcards

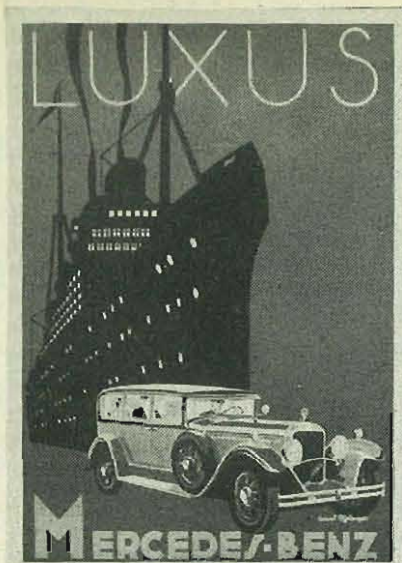
from Camden Graphics that really knock you in the eye. They also offer possibilities for QSL Cards, and include, for example, some really elegant, splendid, sumptuous old automobiles from the Beaulieu Motor Museum. If you had one of those in your breakers' rally for 27 MHz A.M., you'd certainly have no problems in getting attention. Talking about getting attention, we have a great liking for the pin-up girls from (we think) the 1940s, which are enough to make any hot-blooded male forget about his Single Sideband.

We had a talk with Louise Power of Camden Graphics about the series, and this nice lady told us that Camden Graphics started developing this specialist postcard line of country about two years ago, maybe less, and since that time, there has been a steadily increasing interest. Some of the series are true

collectors' items, and once the original printing has been sold, are not repeated (thus enhancing their value in the future). There are also some colourful reproductions of posters for the car industry, pre 1939, and among the best of these are



Belle Ringer



those for Ford (British, that is). These could well be a personal style QSL contact for the relevant car owners — there are cards for Opel (1912) and Mercedes Benz (1928) and the original advertising posters were borrowed from private collectors. Anyone with the handle of 'Mickey Mouse' (or even some of the other Disney characters) might look for the 'Mickey Mouse Magazine' cover series of reproductions — and since there are film stills, old transport posters, film stars and nostalgic

pictures, there is plenty of potential. Let's face it, the way that the channels are getting crowded these days, it might be a lot better to send a postcard, anyway.

Louise Power told us that there are now about four hundred patterns, and that many people now collect the postcards. They are a rather superior style of stationery, too, and represent some mighty fine colour printing. Though, naturally, Camden Graphics cannot mention the names of their printers, we think



that about four companies are used at present, all eager to show that the Brits can really go to town in this area, of glossy, high colour printing.

This, by the way, isn't a disguised advert. We think the cards are worth tracking down, and, at 16p or 17p each, offer a nice alternative to a plainer QSL card that could cost you as much. Wonder how long it will be before Camden Graphics produce some cards with old time radio equipment thereon?

Breaker Love

BREAKER LOVE by "Mr. Twister" is the latest record to be released by SSE Records, a relatively new company who are aiming to give a new feel to CB orientated songs. "Breaker Love" was originally penned in April 1980 by Julian Skinner and Colin Mason after a few brown bottles and some enjoyable activity on the airwaves. However, it wasn't until April 1981 when Julian Skinner teamed up with Arthur Somerset to form SSE Records that the song was given serious thought. They decided to rework the song and it was soon released as their first single. "Breaker Love" is deliberately not a country and western song. Julian told CB News that although he personally had no aversion to country music he felt that not all breakers appreciated that

particular style of music and so their record has a pop beat and tells the story of a couple who meet via contact over the airwaves. The single is available from SSE Records, 101 Albert Palace Mansions, Lurline Gardens, London SW11 price £1.00 plus 25p postage and packing.

Here is your chance to become a songwriter! SSE Records would like to hear from potential lyricists who feel they could write the lyrics for a new CB song. Once you have an idea give Julian a call on 01-720 3803 and he will advise you of what to do next. Any lyrics which are used will of course be the copyright of the writer and as such he or she will receive a percentage of the royalties and credit on the disc.



Crime may pay with CB

(assuming you get a chance to say anything)

Seems that a Home Office lecturer and security expert told retailers recently that Citizens Band radio could "enable crime to be carried out with precise timing, and with the facility of C.B. thieves working together (it) will be able to minimise the risk of detection or apprehension by being forewarned of the presence of police by accomplices."

'E.R.T.', the trade paper from IPC — which publishes 'C.B. World', by the way — noted that the lecturer, Mr Frank Pegg, suggested that retailers watch out for vehicles with C.B. antenna visiting the goods inwards departments, as well as for staff whose cars have C.B. antennae. "He suggested (said E.R.T.) that illegal trade will be carried out over any one of the 280 C.B. channels, with codes used to denote goods available, goods required and meeting places to exchange and dispose of stolen goods." And, alas, he thought that the police would not have the manpower to listen into the Wicked Deeds being planned on the old C.B. As a veteran of the retailing scene, your reporter is glad that Mr. Pegg gave the good word, but wonders if C.B. Crime will really get so organized. Bearing in mind the general state of 27 MHz A.M. these days, they'd be lucky to get a quiet conversation on where to ditch the 'box of ginger snaps just taken from Grandma' (i.e. safe just taken from the local department store). Also, with all the hoaxers on the air-waves these days, it's just as likely that the crooks would find themselves bidding for a retired elephant on Battersea Gasworks Car Park, on account of a breaker steering them in the wrong direction.

Radio contact has been possible for the criminal fraternity for a long, long time. As C.B. is now, they'd get a lot more privacy for

planning crime by having semaphore signals on the roof of New Scotland Yard. If the Moriartys are going to use the New Special C.B. for Quiet Chats on Unloading the Loot, they'll be on 934 MHz. They will be about the only people using it. Also able to afford it. So all the Powers That Be have to do is to listen in on anyone using 934 MHz, and search their cars for the statue of Queen Victoria stolen from the railway station this morning.

P.S. If you hear anything crooked on the C.B., mention it to your local friendly policeman. Better still, buy him a C.B. for Christmas.

Long Eaton

Breakers

Avoid

Brain

Scrambling

Long Eaton Breakers Club (Castle Breakers) is one of those more mature groups in C.B. Land, where mind blowing discos are conspicuous by their absence.

"The Club is run (says Lighthouse Keeper) in the hope of attracting the more serious CBer — there is no juke box either, but merely a place to go for a quiet drink and a chat (as opposed to a 'shout') with your CB mates and XYLs. The Castle Club is run more as a social club than a discotheque; the committee is elected by the members, and all Club policies and proposals are discussed openly, and voted on accordingly by the members. There is a charge of 50p made at the door (XYLs Free!) and this goes to offset the rent and heating charges. It also pays for the free hot dogs and all social events." Meetings are held on Tuesday evenings, and another plus is the real ale available (none of that fizzy stuff that makes you belch across the Alps halfway through a DX communication).

All money collected is returned to the member one way and another, though raffles raise cash (anonymously) for local charities. The Club has its own membership cards, embroidered badges, and also has arrangements with local CB accessory shops for discounts to proven members. If you want to know more, contact
Pete Beilby (Castle Breakers)
c/o 189 Derby Road,
Long Eaton,
Nottingham NG10 4LQ

READERS PAPERWORK

Charlie Charlie

I am writing this letter as public relations officer for the "Charlie Charlie 100 Citizen's Band Club". We are a club of 100 senior members and 100 junior members and are based in the Dundonald, Stormount area of Belfast about 4 miles from the city centre. The club was founded in May 1980 and since then has done a lot both for the legalisation of CB and for the community in our local area. Every Saturday night we run a junior disco which is much appreciated by the local

Smokies because it keeps the kids off the streets. Every Saturday night an average of 175 kids come to the disco. Some of the other activities we have had was a recent darts match against the North Side Breakers. A great night was had by all as both clubs mixed well and it was a close match. We also have a five a side football match under progress. Some of our members are keen DXers and have got some good copys. Take the case of James Bond. He and his family are going to Italy this August to eyeball an Italian and his

family. This was arranged through CB and must be one of the longest eyeballs to date between two CBers.

Ace of Clubs, Belfast

Stolen Wrapper

Please would you be kind enough to print a thank you to all the breakers for their help in looking for my wrapper that was stolen from my works 20 in the President City on Wednesday 13th May. I would like to say a special thank you to Blue Moon who drove me around to look for my wrapper and to Tool Box who went to look around the BS20 and to Box Spanner who came to pick me up on Thursday. Also, I would like to thank Jealous Guy, Pretender and their seat covers Lucky Apple and Peaches and Cream who found my wrapper. These breakers did more to find my wrapper than Smokie Bear. You have a great mag, keep up the good work.

Steering Wheel, Tyne & Wear

Germany Calling — honest!

I must write to you as you have now got a few baffled CBers back home in the UK. The third week in April, myself, Hard Target and Trooper switched on our CB to find to our amazement on channel 19 people shouting for a copy. Well, you may find this rather funny but we are presently serving in Berlin and we did in fact have a few copies but I think people who we talked to didn't believe us. One lady breaker asked us for our twenty. We told her West Berlin and she replied, "10-4 my twenty is Hong-Kong". I would be grateful if you let these people know we were genuine. I mean, let's face it, if you sat in your car and you heard us shouting back at you and we say we are in Berlin you'd be surprised. Give our regards to the Furness area to Kendal and Penrith and all CBers from Blackpool who remember Red Flasher, Trooper and Hard Target and not forgetting to mention Planet of the Apes in Scouse land.

Red Flasher, Berlin

Tango Tango from Down Under

I wish to say to the UK CBers, good on yer mates, happy CBing. I myself am a CBER and my call-signs are Tango Tango, Big Bopper and UFO5. I have had very few QSL's from overseas but there's a whole lot from all over Australia. When I was in Queensland last year I had a ball with my rig and the skip is plenty. I was in a city called Mackay in the Tropics. I have not done any CBing for a few months now as I am in hospital but when I get my new leg I'll be on the airwaves again. I am buying a caravan to live in and it will be a mobile/base so next time I write I'll send a photo of it. If any CBers in the UK wish to send me QSL cards, I promise to reply and send a card back plus a postcard too. You have a great little mag so keep up the

good work and if you can get a mob of CBers together and have a convoy to the H.P. and get the word across to Mrs. Thatcher as CBers have done a lot of good in my country.

My last words are not Britannia rules the waves but "CB rules the airwaves."

**Tango, Tango, 4 Ward Place,
Farrar Canberra, Act 2607, Australia**

International DX Breakers Club

Please publish our full mailing address as this was omitted last time.

RC104

Editors Comment: Sorry folks, it's International DX Breakers Club, 430 Westwood, Windmill Hill, Runcorn, Cheshire.

CB and washing machines!

I am a service engineer for a famous washing machine manufacturer and spend a lot of time on the road so, CB is very handy providing both entertainment and an emergency link if required. I must have spent in excess of £300 on rigs and twigs with various suppliers so you can imagine my anger recently when my rig went wrong and none of the suppliers wanted to know me. When recently servicing a machine in Haslington, Cheshire I discovered while giving the housewife a bit of chat, (well it's a habit) that the hubby had a small electronics business supplying taxi radar equipment. After asking if he would repair my rig I was asked to return with rig at the weekend. I found this guy a very capable engineer with a well equipped workshop and within 30 minutes my rig was working, calibrated and checked on an analyser. We talked about radio in general and about CB in particular. He is waiting for CB to become legal before he deals in sets. It's a pity we don't see more of this sort of bloke it would certainly knock those cowboys for six and they'd deserve it. It's a pity I can't mention the guy by name but he won't be hard to find for the local breakers.

Radar, Wigan

Steeltown Breakerways

We are a relatively new club in Scunthorpe (Steeltown) and have already gained 48 members plus about 50 breakers who are showing an interest. We meet every Monday night at the King Henry VIII at 8.00 p.m. We have, in the few weeks since we started, run a camping weekend at Matlock, several convoys to eyeballs, a driving competition and a social evening. We also have various other activities planned for the future.

We would like to make it known through your magazine that if any other breakers

are visiting Steeltown, we will be more than pleased to eyeball them at our club.

Also, could you please give us a mention in your Clubs column.

**Steeltown Breakerways,
c/o 12 Keelby Road, Scunthorpe,
South Humberside DN17 2ND**

LOST COUNTY BREAKERS

Just a few lines to let you know that we now have a club in the Lake District, known as L.C.B. our breaker channel is 27.

We have almost 100 members and the membership is slowly growing, we meet once a month at 'Petes Paradise' on a Tuesday night, membership is £2.00, and we organise Fox Hunts, Treasure Trails, etc. within our area.

With this year being the YEAR of the DISABLED, we collected from our members enough to purchase a rig with the trimmings for a disabled gentleman, and at our last meeting we were able to present it to him.

Take care cos we care. 10-10

DELTA QUEEN

GATEWAY BREAKERS

Please let everyone know about our new club which we have recently formed in the Conwy Valley area. We are known as the Gateway Breakers Club, and we meet every other Wednesday in the Miners Bridge Hotel, Gateway City (Betws-y-coed). At the moment we are only a small gathering of about 50 members but with more and more breakers coming on the air every week in the area the numbers are swelling and we may soon have to change our meeting place.

Our membership fee is just £4.00 per annum which includes membership card and entrance to all our meetings. Members also have access to a club rig which is loaned to members if theirs is stolen or broken until they are fixed up again.

We treat our meetings as social occasions and enjoy a few brown bottles while we discuss different things and swap information and ideas on DXing, rigs, twigs, etc. We also plan to hold Disco's and other functions soon.

We are a friendly bunch and would welcome any new or established breakers to join our club, for further information contact Lindsay on Pentrefoelas (STD 06 905) 612.

The breaking channel in this area is 14 and 19.

Signing off, 10-10.

Pussy Cat

Mum rules the waves

It takes more than good looks to win the title "Miss Lady Breaker 1981" — the contestants are also judged on their ability to operate the citizen's band radio.

Mrs. Lucy Ann Gower, of Bath's Aquae Sulis Club, was chosen from ten finalists at a CB show and contest held at Kenilworth.

Hundreds of radio enthusiasts from all over the country had entered the competition which judged personality and the use of a "rig" or radio.

Mrs. Gower, 33, who has two sons, aged five and eleven, has been a member of Aquae Sulis for only nine months.

"My husband is also a member so it was a case of if you can't beat them join them," she explained. "It's also a very good hobby."

Along with the title goes a trophy and £100.

Miss Lady Breaker will not be performing any official duties — at least until the autumn when it is hoped that legislation will be passed giving CB an official wave length.



Canyon Breakers

Having read every issue of your superb publication since it first appeared on the bookstands I thought it about time I wrote giving you a little bit of information regarding the Canyon Breakers Social Club.

The Canyon is a small housing estate in Bolsover, Derbyshire, a thriving C.B. community with enough breakers to warrant a club of its own, nestling in amongst several large C.B. clubs well established within our transmission area. So after finding a friendly landlord, sympathetic to the cause at a time when the initials C.B. were still very dirty, with officialdom at least, we arranged for the first eyeball to be held in The Cross Keys, Bolsover, on Thursday, January 29th 1981. We expected an attendance of around 40,

knowing that 60 would be a bonus. By the end of the evening over 100 breakers had paid their subscriptions and after just two weeks the membership book was full with 200 handles. Almost six months later after many functions such as convoys, treasure hunts, discos and even a friendly visit from the local C.I.D. encouraging members to report any rig thefts, we're on the move to The Hillstown Miners Welfare, Hillstown, Chesterfield, Derbyshire. The membership book now stands proud with more than 400 handles and is still wide open because our new premises are very spacious, so it's a case of "all welcome".

Apart from the social aspect of the club we also like to keep members informed with the latest news on the legalisation front, a charity venture is also being planned. In conclusion a fantastic group of breakers, led by a strong and keen committee will welcome you every Wednesday, commencing at 7.45p.m.

Wishing you all the high numbers:

Ian Davies alias C7

Royal T. Breakers

Hil there all you breakers in C.B. land. We are the Royal 'T' Breakers Club, newly formed 16/5/81, our present membership stands at approximately 100, but new memberships are being requested daily.

We have official 'eyeballs' on the first Saturday of each month, where we discuss a wide range of subjects. We also have sub-committees for our D.X. Club and Technical Club, of which both are well supported.

At present we are arranging for 'T' shirts, badges etc. to be printed, they will have our club motif and members handles printed on request. Our other main priority at the moment is to arrange indoor/outdoor sports functions with the members, and competing against any other interested club.

Anyone wishing to join our club, just give us a shout on 14, and we'll fix you up.

So we'll give you all the highs and lows just now, 10-10 till we do it again.

The Saint

CB Radio Fans Co-ordinate World Record Attempt

Over thirty CB radio enthusiasts, many members of the Telford CB Radio Club, recently assisted the Shropshire Star Group of newspapers in attempting to form a human ring round the Wrekin — a popular Shropshire landmark over 1500 ft in height.

Working in close liaison with the police, army, organisers and first aid teams the central control point, on top of the mini-mountain, co-ordinated strategically placed base stations each of which had its

own satellites of hand-held rigs. Working from a concise communication map produced by a local CB'er everyone involved with the organisation had constant reference to the situation with the vast crowds.

The objective was simple — to get people to hold hands around a very large hill in a line over 4.5 miles long at the same time. A helicopter and the CB operators liaised to control the flow of people to the correct locations at the appointed time whilst five discos cheered the crowds with pop music. At half past twelve on Bank holiday, May 4th, confirmation was received from the helicopter that the line was complete and yet another record was on its way to the Guinness Book of Records to be ratified. It took some 17,000 people to complete the vast human chain.

The actual time of linking had to be delayed when a young lad was taken ill high up on the hillside. There was no way that a doctor or ambulance could reach him, and despite an attempt by an army landrover it was prompt action by CB'ers on the scene that saved the day. A satellite hand held rig carried by Lazer Beam got through to control with the information as to the exact whereabouts of the sick lad and Silver Fox (control) then organised the helicopter to collect a doctor, fly to the nearest spot to the lad, load him aboard and rush him to the nearest hospital. At the same time a local CB base station who had been monitoring the field operations put in a land line and informed the hospital to expect a visit. All turned out well. The young lad, who was not named, recovered without ill effect. To follow this dramatic rescue the helicopter was further delayed to pick-up two more young people with suspected broken legs. They were then hurried to hospital by ambulance with a police escort.

The whole day had gone off well, far in excess of expectations, and was a perfect example of CB being used, in conjunction with the authorities, to provide a comprehensive communication network.

Although the day was enormous fun for everybody who took part it should not go un-noticed that the organisers, authorities, CB'ers and many others were on site at 8a.m. and were still working (to locate lost children) well after the crowds had drifted home late into the afternoon.

The central control point situated on the very top of the hill was manned by Big Ears, Nutmeg and Silver Fox who really must be congratulated in controlling not only their 30 odd CB stations dotted around, but at the same time, keeping track of traffic, first aid helpers, organisers, officials and the helicopter. When, after more than 7 hours the control team eventually came down they were absolutely shattered but overjoyed at the way the day had gone. None of the controllers had ever worked together before and had been 'volunteered' for the job by one of the CB club.

All the CB'ers who took part would like to thank the organisers, and the police, for the opportunity to show that CB **does work** in an organised way for the public good. The activities, we have since learned, were monitored by interested CB fans as far away as Shrewsbury, Wolverhampton, Birmingham and Stafford and no complaints of TVI were reported. The most surprising thing about the whole day was the way in which local breakers up to a radius of 10 miles all stayed off the two control channels all day and thus allowed it to go so well — thanks are due here. Even the Italians didn't start to skip in until well after the event had finished — you can't ask more than that!

For further information:
Information Officer,
Telford CB Radio Club, 'Stetson',
Lilleshall, Shropshire.
Tel: Telford 603474

Blow-Out

I would like to thank, through your publication, for the help I received, following a high speed "blow-out" on the M56 Motorway last week, from fellow breakers.

The "blow-out" caused my vehicle to turn through 360° and when the car came to rest I was eyeballed by a trucker, BLACK SHADOW, who enquired after my health and allowed me to manoeuvre onto the hard shoulder.

BLACK SHADOW and another trucker JETRANGER changed my wheel for me whilst TREBLE SEVEN, driving a Mickey Mouse, supplied me with hot sweet tea.

My sincerest thanks to all those breakers and to the two "Smokies" who ignored my chattering chicken box, for all the help they gave me.

David G.C. Hicks

Kent & Essex Breakers

'ODE TO CITIZEN BAND'

The word is out, our members shout just you wait and see and us so scared of being found out for using the old C.B.

It seems the South has heard our plight down there in Cockney Land we've formed a Club, to prove we're right so why not lend a hand.

We call ourselves Kent Essex Breakers or K.E.B.A. club for short the Government call us mischief makers we're nothing of the sort.

Our club was formed in '79 you might say 'not so long' but in that time we've got on fine nearly 700 strong.

Tuesdays we meet at Orsett Hall where's that? you've got me foxed

take the A13 to pay us a call next roundabout from Tilbury Docks.

Up to now we've shown them how we've pushed beds and raced a boat our disco's really are a wow and so is our Carnival Float.

We do these things for charity with sponsors as our backers who pay to see us eat boiled eggs and chomp upon cream crackers.

We may not be your cup of tea its still against the law they say we dont act properly but dont you be so sure.

We dont spray walls with aerosols or vandalise the land this outlaw band has different goals we lend a helping hand.

We've raised alot of money for those who need it most and you can be sure, we'll raise some more and that's no idle boast.

So if you leave a C.B. set at home or in your car need help or just a little upset a good buddy's never far.

So please print out our bardic verse upon your C.B. page come buzby's, smokey's do your worse it all helps to pay your wage.

Angel

S.W.A.T.

As a breaker I always enjoy reading your magazine and look forward to it's landing on my doormat each month as I have now placed a regular order with my newsagent.

I am writing to inform you of a fairly new organisation called S.W.A.T.! A slightly dramatic title perhaps, but at least it's easily remembered. It stands for South Wales Action Teams.

As in other areas of the country we have our fair share of Bucket Mouths, Whistlers, Button Poppers etc. We find that nearly all breakers are anxious to do something about the problem, but as individuals find it difficult to track or trace the offender. Therefore we have organised ourselves in various areas to be available to breakers calls for assistance. Elaborate D.F. equipment and techniques are in use, and we can already claim some success. Our last resort (albeit unofficial) with the assistance of Buzby. As the problem (hopefully) decreases, we can concentrate more on making our network available as a back-up system to the emergency networks which are now being formed in our area.

I feel I should stress the point that we are NOT a heavy mob. Other organisations which have been formed in the past have tended on occasion toward such

extremes and got themselves a bad name. We don't need to. Some breakers may inevitably get the impression that we are trying to set ourselves up as something above ordinary breakers, but that is certainly not our intention. Only responsible and respected breakers are admitted, in fact any member of S.W.A.T. even threatening physical violence to another breaker would be asked to resign. We are aware that such an organisation will attract undesirable characters, there is therefore a careful vetting system before a new member is accepted and this problem should not arise. Members are expected to give freely of their time and energy toward the overall aim of an efficient C.B. system.

S.W.A.T. is in favour of the legalisation of the American F.C.C. spec (27 MHz AM), and supports any groups so inclined, but it is our intention to be wherever the breakers are, be it 27 AM, FM or whatever.

Central Control being situated in the heart of South Wales the internal organisation of S.W.A.T. is now well in hand and ready for expansion. Through the media of your magazine we would like to invite any clubs in South Wales who are interested in further details to contact the address given here:—

Speedbird. Sec.
16 Lanelay Park, Talbot Green,
Pontyclun, Mid. Glam.
Tel: Llantrisant 225190

Well I think that's about it all covered generally, so I'll give you all the golden numbers, this is Mobile 008 on the side (and monitoring).

Speedbird. Sec.

North London Breakers Assoc. Willesden Branch (Club 14)

As you can see from the letter heading "Club 14" is a branch of the North London Breakers Association, but is run as a totally separate undertaking. We have been in existence now for about three months and after a few problems at the start we have now really got off the ground. We have already had our own mini convoy up to the Derby twenty to meet our good buddies at the "Calcan Breakers Club", apart from the blizzard we ran into on the way back a good time was had by all and our thanks to all at "Calcan" for making us all very welcome.

At the moment we are finalising plans for a Western Dance and for a coach trip to the coast, hopefully to Southsea to eyeball all the good buddies down there in Victory Land.

The club meets every Thursday night at the Spotted Dog watering hole in Willesden High Road NW10 from 8 to 12 p.m. Membership is 50p on enrolment and 25p weekly, we have all the usual attractions including an accessories shop, Eyeball and Buy and Sell boards, disco, etc. etc.

If any of you down at CB News are in our twenty on a Thursday night you're sure to get a big welcome if you decide to pop in. (And no doubt a few brown bottles). Breaker Break

All Them High Numbers 10. 10.
Star Rider

C.B. Backpackers

I am writing to your magazine to see if you would be interested in a new club that I am starting along with my seatcover, Judie. We operate on the air as Freebird (me) and Dreamweaver. Up until recently I was using the handle of Starbuck but have now decided on a change.

Anyway what we intend to do is start a club for breakers called C.B. BACKPACKERS, with the idea in mind of using handheld walkie talkies to call up other breakers to try to hitch-hike lifts around the country, the same as hitch-

hiking really but putting C.B. to a good use. We feel that this idea could really catch on especially when C.B. is legalised and handsets are readily available, cheaply we hope.

Even though C.B. is still illegal there are enough breakers around now to make the idea work now. Myself and the Dreamweaver intend to give the idea a trial run and very soon intend to set off for Exeter, taking tents etc and we'll see how far we can get. With the good spirit among breakers we feel that we can do very well.

We would be interested to hear from other people that like camping and hitch-hiking and feel that C.B. could help them with their hobby. Anybody wishing to join would be issued with a free membership card, badge and also a list of ideas. Also any breakers who run boarding houses etc may like to write and be included on a list, this would help hikers and the people running the boarding houses would also benefit.



Throughout the coming year CB News Staff will be travelling the length and breadth of the British Isles (and that includes England, Wales, Scotland, Northern Ireland, and Eire) and we will be looking for your vehicle displaying our "CB NEWS" sticker.

Each sticker will individually display a serial number, which will be your very special membership number in a club which costs you nothing to join, but will give you a share in over £500's worth of prizes.

Every month our roving reporters will be looking for CB NEWS window stickers, and the first one spotted at the beginning of each month will receive a £50 prize. There will be ten runner up prizes of a T-shirt too, and this contest will run for a full twelve months.

It will be the job of our man on the move to note down the serial number, and within days of the vehicle being spotted the lucky owner will receive a cheque. Winning numbers will be published in following issues, though we'll abbreviate addresses for your personal security.

To obtain your sticker, send two stamped self addressed envelopes. One will be used for the return of your numbered window sticker, and the other will be held over on our files for a future mail out. Your name, address and sticker serial number will be logged, as part of our competition records, but this information will not be privy to any third party.

The sooner you send for your Free attractive CB News Window Sticker, the sooner you could start winning. Send your two stamped addressed envelopes today to:

CB NEWS STICKERS
Empire House,
Empire Road,
Leicester.

THIS MONTH'S WINNERS

£50 prize
001261 J. Lemon, Hants

T-Shirt Prize — Runners Up
001741 T. Mortimer, Blackpool
001448 C. Crumpton, Gwynedd
000783 D. Scholey, N. Yorks
000285 F. J. Cragg, Merseyside
000330 T. Conway, Co. Durham
000031 Miss K. Ireland, Cumbria
000640 J. Fletcher, Chesterfield
000339 C. M. Dodd, Cheshire
000620 G. Eizen, Berkshire
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Airlink House, 10 Rockley Road,
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BROWN BOTTLE BREAKERS B.B.B.
News Desk, c/o 18 Springfield Road, St Albans, Herts Tel: 0727 33951

What we would eventually like to see would be C.B. Backbreakers as a recognised national service, helping with all aspects of outdoor activities.

We would like to point out now that we do not intend this service as a cheap, or free taxi service for selfish breakers and we feel that a membership card should be produced when travelling.

Anybody wanting further details and a free badge can send an S.A.E. to:
C.B. Backpackers
Kevin Jones
95b Marina
St Leonards on Sea
East Sussex TN38 0BL

We would also like to hear from clubs that feel that they could act as area organisers.

CROSSROADS BREAKERS

We are a newly formed club in the upper Swansea valley, we hold our meetings at the Masons Arms Ystradgynlais, we meet every Sunday at 7.00 p.m. We have been going for six weeks and have seventy members and the number grows every week.

The club is run on a social side as well as promoting the legalising of C.B. The police in the area know as we have put out two 10-33 to the Fire Brigade which they had word of.

We have taken part in a charity walk in aid of OXFAM and are now in the process of doing a charity bed push. We are also very active in the social side, e.g. We are challenging Mid Glam breakers in Darts pool for lady breakers and Rugby for the men, and by doing such challenges as these we try to involve everybody in our club.

Our aim is to be a friendly and active club, although it is now early days we hope we are on the way to achieving this.

Blue Lagoon

Wyre Breakers

I would like to inform you that a New C.B. Club has been formed in the Wyre District of the Lowlands (Thornton Le Fylde), The Palace (Poulton Le Fylde) & Crossroads (Cleveleys).

It has been formed because of the ever increasing number of New Breakers in these areas. So it was brought up by a number of Breakers that they were asked if they wanted a new club for these areas, and there was an overwhelming vote for a new club. At the first meeting of this club, there were 113 breakers present, which was held at the Burn Naze. The name of the new club is going to be called THE WYRE BREAKERS CLUB.

We would like to promote a better understanding with the members of the

public who have yet to learn about what CB Radio is all about, and also educate the members of the public who have heard about CB but have yet to see one in action.

Also we would like to become a pressure group to let our Government know what our thoughts are concerning CB, and to see where our M.P. & our Councillors stand on this matter.

Ironside

Bugs Bunny Give Us A Nine Club

We have been running for 20 weeks, and at present have 1100 members, a figure that is growing quickly every week. We meet every Tuesday evening at the HAND IN HAND, BOXHILL ROAD, BOXHILL, SURREY, from 8pm. The joining fee is 35 pence, and we make a nominal entrance charge of 10 pence, to go some way towards printing charges and other expenses.

Every week we produce a Newsletter, and an up to date Membership list. We're very proud of our raffle, which we believe is

one of the best around. We can supply Club posters and QSL cards, and we're awaiting arrival of sew on badges and car stickers.

We're active on the social front, having regular discos and many other functions ranging from barbecues to convoys. We're preparing teams to go Ten Pin Bowling on a regular basis, and we field two darts teams. We're always ready to accept challenges from other Clubs!

At present we're raising money for Leucaemia Research, and would be most grateful for gifts of stamps and ring pulls (from Coke cans etc) which are sold in aid of this worthy cause.

Our Club membership ranges from Company Directors to school children, from 70 to 7, and we warmly welcome all those 'would be' breakers who want to be ready to go on the air in the Autumn, to come and share the friendship, knowledge and experience of our Members.

Hope to see you soon,
Breaker break
Bugs Bunny



OUR RTL 208 REQUEST SPOT EVERY SATURDAY ON THE MARLBORO BIG L COUNTRY SHOW



Here's a golden opportunity for all readers of CB NEWS to have a dedication read over the legitimate air waves of the worlds largest commercial radio station, RTL 208 Radio Tele-Luxembourg. Get your ears tuned to 208 every Saturday 10pm - 12pm for CB NEWS Truck Stop Requests on Bob Stewart's Big L, Country Show. Clubs can send greetings to clubs, truckers can woo their "Angel Face Specials" and you can wish all the high numbers to that guy you contacted on skip in Italy. Clip out the coupon and post your priority dedication to: Truck-stop Requests, CB News, Empire House, Empire Road, Leicester.

RTL 208 CB NEWS Truck Stop Priority Request Coupon RTL 208

Please dedicate a CB NEWS request to.....

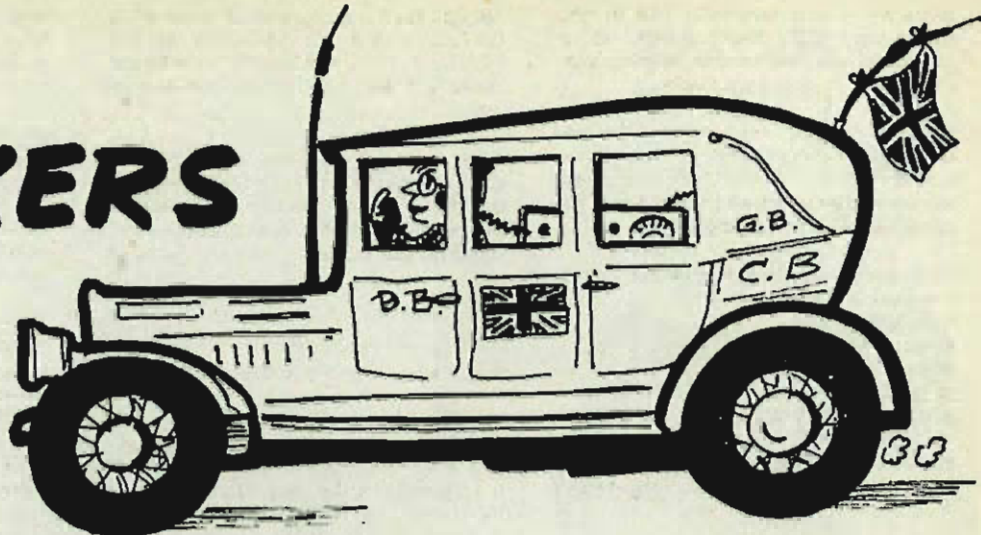
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Handle

BREAKERS FOR BRITAIN



'Zukie' sent in a fine master plan, which requires only a small fortune and a lot of enthusiasm to get moving. A lot of good ideas for a 'Breakers for Britain' network could include the following:

- * an insurance scheme for members partly sponsored by manufacturers;
- * active support of REACT, with three monitors for each town to vet local breakers;
- * only reasonably styled clothing with appropriate Club badges should be encouraged — certainly NOT the American image which appears very immature or garish;
- * visits to schools, etc. to explain and demonstrate Club and C.B. activities;
- * effective liaison with local retailers and manufacturers, who can be invited to give talks and demonstrations to local groups;
- * regular fortnightly magazine supplied to members, but also available from newsagents at a higher price (cost of posting copies to members might pose a problem);
- * disabled sections (or chapters) to be encouraged, along with junior sections, senior citizens sections, with training for beginners arranged by local members of Breakers for Britain;
- * attractive, well-designed badges or membership cards to reflect general approach for imaginative use of C.B. radio;
- * discount arrangements with companies and suppliers for members;
- * membership fee £1 per member, per annum (less for group membership of more than fifty members)

'Zukie' has given us a lot of plans to consider, and although we could not put all these excellent suggestions into effect at this stage, will be pleased to hear from readers who would be interested in a national association of C.B. users **who intend to use the legal F.M. equipment.** This is necessary for any work for the disabled, or other new uses of C.B. that might be possible. And there are plenty of excellent Clubs and groups for A.M. users already.

If you send a large stamped addressed envelope to:

Breakers for Britain
c/o, D.E. Lazell
29 West Leake Road

East Leake
Loughborough
Leics. LE12 6LJ

You will receive an Application Form and details. No membership fee is to be asked for, and if and when badges, etc., are offered, they will be charged at cost plus.

AIMS

1. To foster a wider use of C.B. in the community, and to provide assistance and advice to new users, including the disabled, young people, senior citizens etc.,
2. To encourage support for British companies and manufacturers, where ever possible, and to

say a good word for the old country where ever possible;

3. To establish an essentially British look to the new legal C.B. system, whilst also following the example of the best C.B. users in the U.S.A.;
4. To assist Anglo-American friendship on a personal basis, with the possibility of visits and family holiday exchanges as personally required;
5. To link C.B. users, especially families, in different parts of Britain;
6. To institute an Annual Award, or Awards for especially valuable use of C.B.

HEY, FOXYLADY
 - WHERE'S THE
 BEST PLACE TO
 ADVERTISE MY
 CB PRODUCTS?



7. To encourage friendship and good deeds, on and off the rig.

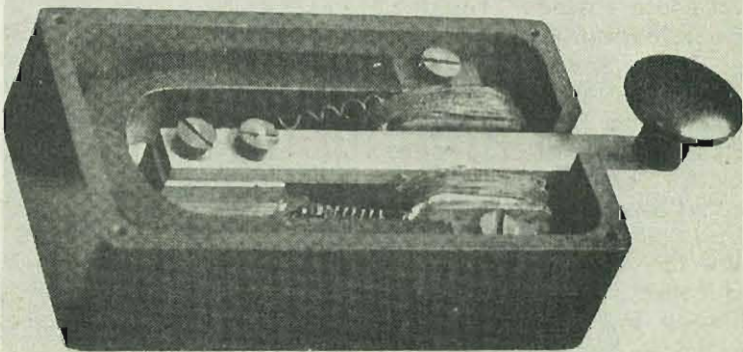
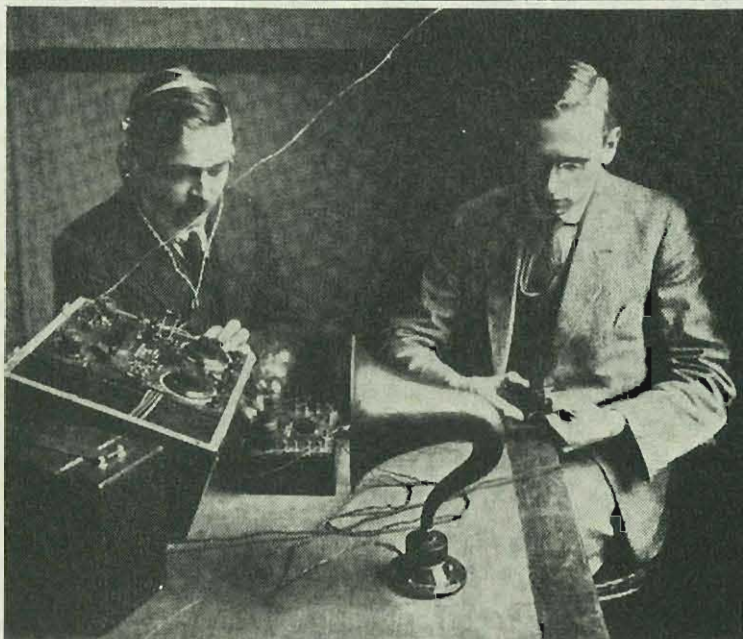
Membership is open to anyone planning to support a legal system of C.B. and who wants to see the Old Country more ahead to better times. Voluntary help is needed in the shape of a Membership Secretary (to help with the mail) and liaison Secretary (to assist with the newsletter, etc.). Any offers, assuming Breakers for Britain gets started by the Autumn? Details available on request.

C.B. FOR THE HARD OF HEARING

Back in the 1920s, a gadget called the Ossiphone was developed to provide 'wireless for the deaf'. In case you think this is a typical 'C.B. News' spoof, we will quote no less a person than P.J. Risdon, F.R.S.A., who wrote a lot of times on the radio

theme. According to Mr. Risdon, sounds from the loud speaker were picked up by the aural box, and conveyed to the listener by way of his thumb knuckle. Now, all these years later, the idea has been developed by Bell Laboratories in conjunction with Rutgers University in the U.S.A. Fred Maia reports, "Since telephone lines (voice grade) can't carry complex telephone

signals, the inventors of a new 'Phones for the Deaf' system use a simple computer operated screen that accepts black and white patterns transmitted over the phone lines. Thirteen pieces of reflective tape are pasted to a black glove on the fingertips, finger joints and wrists. A deaf person puts on the black glove with the white spots, and 'talks' to a small electronic camera



This period picture shows the Ossiphone in use. The top picture shows the bespectacled gent using his thumb knuckle to receive the message, this being a Morse code operation. Now, we're using computers to solve the same problem, also much smaller radio equipment.

using the standard American Sign Language (i.e. as used by deaf people). The listener sees only the moving white dots." Maybe the era of C.B. for Deaf People is near, too. Though breakers already know that the deafest person around is the goon who won't get off the

emergency channel when you ask, and still wants to tell you about the girl he went out with last night.

ZUKIE PITCHES IN

'Zukie' reports that the Hereford 14 C.B. Club is moving on well,

and had about 800 members at a recent eyeball. The Club meets on Tuesdays, at 8 p.m. at the Crystal Rooms, a local entertainment centre. Folks genuinely interested in the Noble Art of C.B. welcomed. The Club has been thinking about organizing an under 14s section, and distributes valuable information, including (alas) notes on whose rigs have been pinched and where.

'Zukie' is very interested in the possibilities of disabled people using C.B. (i.e. on the legal frequency) and has been putting over some excellent ideas. He suggests that VAT on rigs for disabled people ought to be waived, even if this was restricted, say, to one or two adequate base rigs (without the chrome plating and pretty trimmings). 'Zukie' also thinks that C.B. Clubs ought to plan more work to help disabled people and maybe bring them to Eyeballs, if they have problems with their own transport. This may have to be done with discretion, for as 'Zukie' remarks, "some of the disabled are very independent and will not make known their requirements — this is where the Committee can discreetly offer such aid and observe future needs." Yep! the man's right. Another idea is that C.B. Clubs ought to make arrangements to offer instruction on using C.B. rigs in the homes of disabled people (naturally having a few well qualified breakers for the task).

Maybe, too, local retailers can be encouraged to offer special discounts to disabled people, with some form of low cost insurance facilities, too.

'Zukie' has been talking about C.B. for the disabled to a number of breakers, and has found them generally sympathetic and keen to help, so maybe this is a place where 'Radio for the Disabled' could mean a useful C.B. rig. We'll be pleased to hear of any initiatives taken by Clubs. 'Phoenix', the quarterly journal for the disabled, recently ran an

article on 'Citizens Band Radio For Disabled People', and it encouraged a lot of interest.

MORE GOOD DEEDS....

Well, if some C.B. Clubs aren't exactly enthusiastic about writing letters, a lot of them certainly do a lot of good work for charity. And we know which is the more important. Andy Donovan ('Disco One') reports in his U.B.A. newsletter that the Wrexham Club are donating £140 for necessary health care for a fourteen month old baby. The baby was brought to the Club in a Rolls Royce by 'Pinto', and the money presented by a local celebrity. Andy also notes that the Boston Breakers Club are taking sixty disabled people to the Bressingham Steam Museum in Norfolk (and footing the bill). A quaint comment from our chum in Clapham is that the Boston Breakers are having a 'Giant Dance' — wonder if you have to climb up Jack's beanstalk to get in. Anyway, it seems that this worthy event, in aid of local charity, is being planned with the Mississippi Eyeballers (and if they're anything like the Harlem Globetrotters, we can see why it's a Giant Dance!!)

Beech Breakers of Essex are having a sponsored bed push, in aid of cancer research charities, and Andy notes that they are trying to raise funds for a scanner — i.e. the kind they use in hospitals. A trip to the seaside for children is also contemplated. Then, says Andy, the Soar Valley Breakers raised £60 for the Sibley Children's Swimming Pool — and, as this is a relatively new Club, extra congrats are in order, we think.

Other good deeds noted in the U.B.A. Newsletter include the fast and quick thinking action of two Southampton breakers, 'Gear Jammer' and 'Butterfly', in answering a 10.33 emergency call. As a result of their quick action via the rig, these bright breakers stopped a break-in at a local flat, and when the police

arrived, three wayward characters were arrested. Shows that C.B. helps the forces of law and order, doesn't it, Mr Whitelaw? And that's the way we want it to be. On a personal note, Andy thanked the THAMES Monitors who answered his own 10.33, when his daughter, 'Pineapple Chic' became ill, and had to be taken to hospital. The response from THAMES, says Andy, was GREAT. Andy claims that the U.B.A. Newsletter is now 'the best news service in C.B.' and, for Club news, he is certainly right, not least because getting a newsletter out fortnightly enables news to be passed along quicker than a monthly mag. We'd like to pay our own tribute to Andy — and also for the Clubs who support his work, and show what C.B. is supposed to be about.



CB NEWS
—BIG BOY.
RING ZIGGY ON
01-580-9012
TO SEE WHAT'S
GOING DOWN!

WILL THE LAND OF OZ BANISH 27?

MORE FROM AUSTRALIA BY 'TAZ MANIA'

Those Australian breakers know their onions (and their rigs — they've got 477 MHz UHF and 27 MHz AM). Ken Reynolds, fine upstanding Editor of 'C.B. Action International' wrote a fine editorial on the Political Mish Mash in regard to the Greatest Hobby Ever. As already mentioned in 'C.B. News', the rig arrangements in Australia are handled by DOC (Department of Communications) and it seems to be good medicine all round. For most folks, that is! Right now, there is a clamp down on imported rigs that do not meet official specifications, as will almost certainly happen in Britain. Seems that one or two rig entrepreneurs have found they cannot unload their unapproved rigs, either off the boat or onto the long suffering consumer.

Currently, the arguments seem to focus on the right to DX, i.e. get into long distance communication. "The right to communicate with oversea stations is restricted to countries who are party to a recognized C.B. DX agreement," reports Ken Reynolds. "Up to date, there are no other takers." In noting the British fervour for C.B., DX and a kind word from the government, the editorial notes that logic seems about as evident as a busted breaker in a nudist colony (poor guy had to sell his suit to pay the fine). "The reasoning, I think, goes something like this. You want an apple, we will give you a pear. That way a compromise is reached without losing too much face. The principle being ... you want AM/SSB C.B. ... we don't want C.B. at all. If we give you FM C.B. you don't get what you want but at least you get a service while it makes us happy that you didn't really get the upper hand." Ken Reynolds believes that whilst Britain will join the FM Fraternity, "a strong desire to QSO the U.S. and Australia will lead to continued illicit AM and SSB operation — Piracy." Evolution, says Mr. Reynolds, will produce Compromise. Evolution also produced government 'experts', so we are not so sure. Still, it's good to see that the Oz Breakers are so concerned about C.B.s future in the Old Country.

The 'C.B. Action Worked All States' Award reminds Brits how much room there is in the Antipodes. Licensed C.B. operators can include QSOs conducted after May 1st 1981, and

a page of the magazine is available as a record sheet and application form. Entrants have to show working with Victoria Western Australia, New South Wales, Tasmania, Queensland, Northern Territory, South Australia and Australian Capital Territory. No age barrier, a nominal application fee and ability to show QSL cards confirming all claimed contacts are included in the rules. This is a model for running a DX Contest (want to know more? Get 'C.B. Action International' No.52). It is sponsored by the publishers, but we're not sure what the prize is. So the hills in Australia are alive with the sound of DX, and entrants getting their application forms witnessed by Post Master, Commissioner, Justice of the Peace, DOC Official, Minister, Police Officer, etc. Meanwhile, C.B. Life As It Is Lived is covered by the team of bardic breakers who live in various parts of the Land of Oz.

Our favourite comment comes from Paul Richards, who comments, "I have wondered for a long time how the hell George from the Rocks gets out so well on both 27 AM and UHF. It is amazing! Driving past his QTH the other day, I noticed a strange wire running out of the window and over the pole. Traced it out and found it was attached to a girder on the (Sydney) Harbour Bridge. No wonder he is Sydney's king of DX ... Good on you, George, now I know what you meant when you said you had a coat-hanger for an antenna."

Brits will know that a 'coat hanger' is an apt description of a suspension bridge, but we wonder

what kind of results he would get if he fixed the wire to the Sydney Opera House — Colaratura C.B. 'Aida' on Channel Eight.

Paul refers to the ever-present task of finding wayward C.B. users, otherwise known as Rat Bags. He says that the Sydney UHFers (i.e. C.B. users of 477 MHz UHF) "are a pretty organized lot. With a series of beams located at strategic points, any rat-bag type can be located within a few metres quickly. Several mobiles are equipped with sufficient gear to make an actual location in a fairly short time. I point this out for the benefit of those who think they can maintain the same anonymity they enjoyed on 27 Mgs. This is one of the beauties of 477. It is damn easy to locate an offending station." Buffoons who crowd the emergency channels and otherwise engage in what is called 'rat bagging' are hardly likely to read 'C.B. Action International', alas. Paul adds in a note that might stir that Upholder of Clean C.B. 'The Lone Breaker': "I am not suggesting that a vigilante committee will descend on a culprit — but I do point out that it is sometimes difficult to control the extremists who don't want UHF to become part of the 27 Meg jungle." Is 'jungle' too strong a word? A correspondent from New South Wales obviously thinks not. Recalling that after two years operation on C.B., he finds it hard to get a decent conversation, 'Tango Twenty Four' reports abuse and a generally tough time: "I'm afraid if it keeps on, the way things are, we will surely lose our 27 MHz (AM) in 1982, because of morons, ratbags and foul-mouths who constantly litter our air waves, because they can't get a decent



conversation going. They are too busy on an ego trip with their own voices." The possibility that 27 MHz AM may pass into the Fog of History is one that may well strike terror into the heart of the innocent British Breaker. Oz Breakers seem to move to UHF for serious C.B., just as some breakers in Britain will move to FM, as an alternative to City C.B. Cacaphony. Leon Senior, who runs the UHF Feature in 'C.B. Action International', believes that UHF needs to be a self policing service. On-air abuses, reported to DOC, can be quickly traced and sorted out — and this is a powerful argument for a growing number of C.B. users. There are about 28,000 license holders for UHF in Australia, compared with some 200,000 license holders for 27 MHz AM. As the UHF breakers have forty channels, compared with the eighteen now left for 27 MHz AM, you will understand why DOC is called upon to be more

generous. But it looks unlikely. And while new AM rigs are on offer, it looks as though business is looking to the 477 MHz UHF frequency to refill the directors' drink cabinet. A fine new UHF Base Station, the Sawtron 200 is not a transceiver but connects to an existing (AM) rig 'to produce what might be termed the ultimate UHF C.B. base station'. The model (distributed by Imark Pty Ltd., 167 Roden Street, West Melbourne 3003, Australia) is a sign of the times. Philips TMC helped to popularize this new C.B. with a UHF FM transceiver, but Sawtron showed that a true Oz-to-the-Core Independent could match the Big 'Uns. The Sawtron 200 sure is a nice looker, with Programmable Selecall; Automatic Selecall Answer Back; Flexible stalk-type microphone with wind shield, LED Selecall Display; Keyboard Selecall Tone Entry — and a lot more. With the Selecall facility, "internal controls are pre-set to the system's

own set 'Selecall' tone sequence while any of the 810 tone combinations can be entered via the keyboard. This enables the Sawtron 200 to call any other users 'Selecall' call tone. An obvious extension of this facility is to advise your 'Selecall' tones to only those people who you would want to call you and vice versa. Thus, it is possible to call any other user providing their 'Selecall' tones are known. Almost like a silent phone number." 'Rig Review: 'C.B. Action International', No.52). It is obvious like the Sawtron 200 represents the future. And not only in Australia. Kids and lads will not want to move from the oh-so-simple rigs that are basic 27 MHz AM. But serious breakers will want an extra C.B. Facility. If you need any more convincing, 'C.B. Action International' has a feature, 'Repeater Tips — What To Do And What Not To Do', designed to assist UHF users.



One of the problems in using C.B., the ladies say, is that a few goons try to chat them up on the rig, though the situation isn't as bad in Britsville, as it seems to be in other places. And on ham radio, the lady is given a sort of high regard not seen since Sir Walter Raleigh lent Queen Elizabeth his duffle coat when it started to rain (that visit to Huddersfield, recorded in all the best history books). One possibility is the use of a gadget that alters the pitch of a voice, without otherwise affecting its clarity. A recent BBC TV show demonstrated that it was possible to make a lady sound more than a little masculine, with the use of this wonder machine. That's just for starters, of course. Once you know you're on the line, or channel, to a friend, you can do without the odd device.

The C.B. manufacturers will certainly have the domestic market in mind with the design of base rigs, and we think that some of the 1982 models will almost be designed 'with the lady in mind'. This has nothing to do with sex discrimination, only that the ladies have a better idea of real value for money.

Before we get down to the business of this month, we'd like to mention

a book we just bought, since it is a really happy record of a lady we'd sure like to say hello to on the C.B. 'Loving Lucy' is a large, quarto size book, that has just appeared in Britain, though it has been something of a best seller in the U.S.A. It is, as you'd guess, an illustrated tribute to Lucille Ball, the well known film, radio and TV star, and in some 220 pages, plus index, Bart Andrews and Thomas L. Watson have covered the

astonishing career, spanning forty-seven years, of this gifted lady. There is, by the way, an international Lucille Ball Fan Club, called 'We Love Lucy' and with headquarters in Los Angeles. Great stuff. The book costs £7.95 (Robson Books, 28 Poland Street, London. W1V 3DB).

Now, we are sometimes asked if the ladies really know how to make

the best use of C.B. Only men would ask a daft question like that. However, to prove that there are possibilities you haven't even thought of, we're running, this issue, a special tale from the Downtown Breakers Club, though actually it's a record of what went on with the Boondocks Breakers recently. Maybe it's one way of getting a new coat out of the Man of the House, All Time C.B. Wizard and Love of Your Life. Keep reading!!

A QUICK WORD TO MAMA

When the Downtown Breakers were in need of a quick glow of virtue, they talked about those bar guys at Boondocks, whose use of C.B. was Appalling, Utterly Irresponsible and Invariably Interesting.

The Boondocks Breakers Brigade represented the Huns, Goths and Vandals of C.B. and, it was said, raised all the money they needed by asking for cash from neighbours — with veiled threats that they would use their rigs if they had no liquor to drink. Since using their rigs involved television blackouts and the collapse of normal electronic communication for miles around, the neighbours were glad to fork out. Even their charitable efforts resulted in disaster. Recently, they agreed to organize a piano race, in aid of some obscure charity — probably one for retired brewers and whisky tasters. However, they lost interest after pushing the pianos a couple of hundred yards, and abandoned the wilting uprights in the doorway of a local supermarket. Apparently, the manager of this emporium had failed to let the Boondocks Breakers have brown bottles on tick, and they felt that his having a handful of old pianos to cope with might make him feel more generous next time they asked.

Yet, even in this nest of communication vipers, romance blossomed. The happy pair adopted the handles of 'Ma' and 'Pa', and decided to keep in touch during the day via the rig. This was not any great problem since 'Pa'

worked in a local garage and was pleased to have any excuse for abandoning an overdue oil change for a quick word with the wife. 'Ma' had a somewhat homely hobby of making model machine guns and other fearful weapons of former times, so she was glad of the opportunity to have a few words from her spouse.

Around that time, the C.B. Epidemic hit Boondocks as the greatest event since the local flea-pit showed Buck Rogers on Saturday mornings. Late at night, citizens could be observed leaving pubs and clubs clutching precious packages, and muttering darkly about hitting anyone who tried to stop them. Fortunately, the loyal constabulary at Boondocks had long ago worked out a list of those crimes they could handle, and those they could not. A run of the mill crime at Boondocks would probably be more in the line of a bank job than running an over-powered rig. Thus, on those rare occasions when someone from Telecom suggested that the cops ran C.B. out of Boondocks, the response was decisive. "If they'm playing with their C.B.," said the desk sergeant, "they ain't up to any other mischief. And they're bound to be up to something."

Even Thomas Hobbes' analysis of man's life as being nasty, brutish and short sounded positively optimistic in Boondocks.

Trouble was, that no-one really knew how to use C.B. properly. Had some perceptive publisher produced a handbook on C.B. in the style of a sex plus horror comic, it would have made some headway no doubt, but the conventional manuals were regarded as far too complicated. Dealers eager to get a quick sale had the right advice.

"Why don't you listen to 'Ma' and 'Pa' on the C.B.? They use it all the time. Just copy what they do."

So the tender conversations focussing on whether 'Ma' had washed 'Pa's' heavy vest, or if 'Pa' had planned on keeping chickens in the coal-shed same as last year, and so on, became prescribed listening

for the locals. After a month or so, it made the average TV soap opera entirely obscure. All this might have done great things for domestic bliss had it not been for some small problem, namely, that 'Pa' took up with a lady who worked at the garage part-time and managed to get him into the back of a van under the pretence that she wanted to know how to push an antenna through the roof. Only when a local worthy called for his motor, under the impression that it would be thoroughly serviced and ready for a fast trip to Glasgow, was the Awful Truth discovered. The motor was high up on a ramp dripping oil, brake fluid and something else very sticky, whilst 'Pa' was more than absent. To all concerned, it seemed that he had exited for ever. Why! he had not even called 'Ma' on the rig every hour on the hour, as was his constant way of dodging real work. 'Plaster Cast Pete', who was for ever dropping heavy objects on his foot, happened to take a quick peek into the back of a van, mainly because muffled conversation was coming from it, as if someone had buried a souped up rig under a stack of ex-army blankets. It was, he confessed later, a scene as torrid he had witnessed in all his years watching television. And when 'Plaster Cast Pete' started to rebuke the wayward mechanic, he was merely told that it was time he fixed the suspension on the van, as it rocked as soon as you jumped up and down in the back.

Naturally, 'Ma' was not pleased, and when 'Pa' tried to enter his homestead that evening, he found a suitcase outside the back door. Seems that someone called her on their C.B. to tell her What was What. Since the entire population of Boondocks was listening in to get their C.B. lessons, this did not help the cause of domestic harmony.

"You can't tell me you never made a slight mistake," 'Pa' shouted through the keyhole, which did not have the benefit of a linear amplifier.

"The only mistake I ever made," said 'Ma', from an upstairs window,

"was marrying you. I didn't mind you having a bit of slap and tickle in the van, but forgetting to talk to me on the rig..."

She made it sound as if it should be made the grounds for a fast divorce. 'Pa' found a brief refuge with 'Dynamite Digger', one of the Boondocks Breakers, a man so fascinated with the sight of wet concrete that he had covered his garden with a grey, undulating layer resembling the lunar landscape. He believed it helped incoming radio signals to bounce off the ground and onto his antenna on the roof (also stuck down with a substantial block of concrete).

"Just carry on tomorrow as though nothing out of the ordinary had happened," advised the wet cement specialist. "Once folks get talking on the rig, they forget how much they were upset by what was said yesterday. That is, until they get upset by the same thing today. How about telling her you'll put in a cement fish pond in the front garden as a coming home present? I could put one in for..."

'Dynamite Digger' offered an astronomic sum, calculated on something big enough to house the Loch Ness Monster, also any monsters left over from Disneyland epics. 'Pa', being 25% hopeful and 75% gullible, turned up for work the next day, carefully avoiding the gent anxiously wondering when his motor would be ready, on account it had fallen off the ramp and broken a few things. Came nine o'clock and he got onto the channel and contacted 'Ma'.

"This is 'Pa' speaking to you, and saying it's a nice day down here at the garage. Right now, we've got eight, nine, ten cars promised for repair today. Can't see who's going to do them, when we've got so much more to do. I promised to show 'Plaster Cast Pete' how to use the rig. Would you like to have a word with him, 'Ma'?"

At first, a deathly silence suggested that 'Ma' had given the rig to an itinerant jumble sale. Then she came onto the air with an icy voice.

"I've been thinking, 'Pa'. I just saw a nice fur coat in the catalogue, and it costs only two hundred pounds, being pure Siberian rabbit. I reckon I could use something like that."

'Pa' gulped.

"Guess I could manage to find something like that, 'Ma'," he said. "Seeing that I've been taking you so much for granted. I'll call back in an hour, usual way." He explained the situation to the other grease-monkeys and gasket-crunchers, and, being especially busy that day, they spent an hour discussing the lack of domestic bliss over large mugs of tea (containing 2% motor oil).

At ten o'clock, 'Pa' got back onto the channel, to tell 'Ma' she could have the genuine Siberian rabbit fur coat. Her response was less than joyful.

"Been thinking, 'Pa'. Seeing that you'll be keeping chickens in the coal-shed again this year. I really need a new washing machine to cope with the extra work. There's one in the catalogue. New model specially imported for people who don't read instruction books. Costs less than three hundred pounds. And you get free soap powder for six months."

'Pa' reflected.

"Have to think about it," he replied. Fortunately for him, the lads were far more concerned at his emotional well-being than in that of the motors promised to be fit and able by five o'clock that evening. After more tea, and a few bags of crisps, it was agreed that 'Pa' had to cough up. It would not have been so bad if he had just played around with the amiable lady, but since he had forgotten to keep in touch with 'Ma' via the C.B. the previous day, he had to make some gesture of goodwill.

And while gestures are comparatively common in Boondocks, goodwill is not. So at eleven o'clock, 'Pa' got onto the C.B. to tell 'Ma' she could have the washing machine, as long as she was sure which way up to stand it.

"I've been thinking," 'Ma' announced. "I've got a few rush orders for machine guns." She was referring to her models, of course, but by this time the listening audience had achieved new records, since this was a far more exciting give-away programme than even 'Sale of the Century'. "So I could use some new lighting. I've been checking the catalogue, and for two hundred and fifty pounds, it would be possible to have new fluorescents throughout the house. Specially imported line for people who don't know much about electricity."

'Pa' began to protest.

"You know how much making guns means to me," said 'Ma'. "It's the only interest I've got in life, apart from the still in the cellar. Which reminds me — we need a new one, and the catalogue says..."

'Pa' switched off. As he turned to consider doing something about the motor that fell off the ramp, he noticed that all the mechanics had been listening. 'Plaster Cast Pete' said that there ought to be an extra Squelch device for wives that kept asking for things.

"If that's what C.B. is like," he said, "I'm going to stick with my ferrets. I thought you had a bit of fun with C.B."

He was reminded, rather jovially, that it had been 'a bit of fun with C.B.' that had started all the embarrassment for 'Pa', on account of the glamour girl upstairs getting him into the back of a van for some explanation of something or other.

By one o'clock, the whole town was eager to learn what 'Ma' would want next. The Boondocks Betting Shop was doing brisk business, with major stakes being laid on a moped, food processor and holiday in somewhere civilized like Manchester. Furthermore, all those ladies a-listening in had decided that since C.B. could be used as a marvellous invention to prise cash out of husbands, they would do the same. All over Boondocks, ladies got onto their

base rigs to reach husbands in their mobiles, and operating a base rig whilst at the same time reading out bargain offers from the catalogue takes a whole lot of dexterity. Also cheek. The one o'clock strike was for electric clocks in every room, a mere bagatelle. However, maybe there was some kind of Catastrophic Countdown for two o'clock. Proprietors of local pubs brought rigs into the public bar so that the conversation could be heard with due respect. Schools and colleges closed early. The Boondocks Bank staff stopped handing out money, in case 'Pa' needed it all to pay the catalogue company.

Came five minutes to two, and 'Pa' started getting agitation on the rig. That is nothing new in Boondocks. Indeed, anyone owning a rig that way is in for a whole lot of agitation. In this case, it came from old friends and colleagues who whined that if he kept giving in on all 'Ma's' requests, there would not be a man left in Boondocks with cash left for essentials like licquor.

"It's okay," 'Pa' told them. "You can promise anything on the rig, and it don't mean a thing."

He spoke like a veteran. Trouble was, 'Ma' was listening, and broke in to say that 'Pa' was not getting anything in the way of home comforts until he pushed a few signed cheques through the letter-box at home. Also told the bank manager to transfer a few hundred quid from his current account to hers. By three o'clock, it looked as though 'Ma' and 'Pa' would have to buy a fair sized warehouse to contain all the goodies she had been promised. Or, failing that, shares in the catalogue company.

When, at four o'clock, 'Ma' explained that she was feeling tired through so much looking through the catalogue and asking for things, a great sigh of relief came from every red blooded male in Boondocks.

"So," she said. "I'll just settle for new carpeting through the house. I've been looking through the catalogue and they do some special imported lines for people who don't

know which way up to lay the stuff."

'Pa' staggered back from the rig, like a man whose piggy bank had just squealed for the last time.

"What do we need new carpets for?" he cried. "They only get covered with mud and oil and stuff whenever I get home from work."

True enough, except that 'work' was maybe rather a strong word for the deeds done at the garage. As he wondered if C.B. was all that worthwhile, a dark shadow fell across his path. It was the gent whose motor had been promised the previous evening, ready for a smooth trip north.

"Any news?" the hopeful owner enquired.

"Yes," retorted 'Pa'. "So far, my wife wants carpets, a washing machine, new lighting, a fur coat, summer-house..."

"You been on that Bruce Forsythe show?" asked the humble stranger. "Or maybe it's your wife's birthday."

"His wife don't need no birthday," declared 'Plaster Cast Pete'. "He bought her a C.B. Now she can ask for anything she likes, whenever she likes."

"Dear me. Just as well I don't have one in my car. By the way, is it ready?"

"Which one is it?" 'Pa' peered at the assortment of unattended vehicles strewn across the garage.

"The blue one without the wheels on."

"No. It ain't ready," said 'Pa'. "Still, if you ain't got C.B., there's not much point in going anywhere, is there?"

Before evening came with its usual jubilation among the garage mechanics, sure of another day's work tomorrow — mainly consisting of work that should have been done today — dealers in Boondocks were besieged by

purchasers wanting their money back on their rigs. As one worried spouse said, "If I'd known women could use these things, I'd never have bought it." It was generally thought that, if this kind of thing went on, the Boondocks housewives would start using their vote at election times, or even expect to have a night out once a year. Being smart, though, the Boondocks dealers issued credit notes against the wonderful new C.B. rigs being permitted by the government.

"These new F.M. rigs," they explained, "have been designed entirely by men. They are Fully Masculine. That's what F.M. stands for. And if you don't believe that, try finding out how many women they got in the House of Commons. Hardly any. Any government that plans C.B. is bound to keep women right out of it."

So the dealers kept their cash, and the Boondocks gents kept their credit notes. Trouble was that 'Pa' had to keep his promises, and, before 'Ma' let him inside for a piece of fruit pie and a few other delights, he had to push signed cheques through the letter-box, also hand over his credit card. So the curtain drops on a happy domestic scene, with 'Pa' calculating how much he owes the bank, and 'Ma' making her model machine guns.

Which reminds us that the Boondocks Bluebottles, also having monitored the Great C.B. Giveaway, turned up at the front door a few weeks later.

"We heard on the C.B. that you're making machine guns, 'Ma'," said the alert policeman. "Now you know we like to keep things quiet in Boondocks." 'Ma' pointed out they were mere models, fit for sticking on a mantelpiece or sticking up the post office.

"That's a criminal offence," he said. "But it ain't half as criminal as what you did to poor old 'Pa'..."

By the way, 'Pa' just discovered you get fined fifty quid if you sock a copper when he calls to pass the time of day.

SCRIBBLER'S SOLILOQUY

What's happened to CB?

Do you remember the "good old days" of about 2 years ago? On Monday night you put out "One nine for a copy" and about Wednesday you heard "Yeah, you got one". There weren't a great number of breakers on the air in those far off days. We even used to say "Good Buddy" and things like that. Here we are, about a hair's breadth from legalisation day, talking about the good old days only 24 months ago. There must be lots of older breakers who are so fed up with the whole thing that they gave up yonks ago and consequently won't be reading this article. If you know of one, tell him there's lots more that feel the same way and there may be a glimmer of light at the end of the tunnel.

Back in those heady days it was all good fun. Breakers knew each other by name (how many do you know by name now?) and impromptu camping trips, convoys to the seaside and Sunday afternoon picnics were the order of the day. Grand expeditions were organised to visit semi-local clubs on their meeting nights where the visitors were always made very welcome and lots of information was exchanged. In those days, too, Buzby really was a joke. You must all have your local "legends" of times such as when a single Buzby van has chased a Jaguar, resplendent in DV27s, (you've got to give them an A+ for effort) only to find himself in the middle of a 10 car convoy being taken round the local countryside for a couple of hours. It was so much more friendly then than it is now. Hands up who hasn't had some sort of verbal abuse on the air.

Wollies, turkeys, three what copies and sewer mouths; you can't stir for them these days. They seem to crawl out of the floorboards.

Three what copies? You know, "What's your handle?", "What's your twenty?", "What am I laying on you?" "10-10 Breaker-break".

OK so we all had to learn — nuff said on that one. As for the rest, well, Leicester now sounds like the airways equivalent of Piccadilly Circus in the rush hour. Wind-ups ain't what they used to be. Older breakers in Leicester will probably remember 'the Rasta Man' and that channel 30 epic "The Mysterons". The BBC haven't come up with a better comedy show than those two yet. Now, it

seems, a wind up isn't a wind up unless you can swear, shout, threaten and generally abuse the recipient. Innocent little boy that I am, I used to think that obscene calls came from dirty old men in raincoats. In Leicester they come from stupid young men in droves. One little incident just goes to show how devious these guys are.

Having traced, identified and sorted out a local sewer mouth it was found that he was using borrowed equipment in a borrowed house. There were six lads involved (not counting the householder and family who were peacefully abed at the time) and quite a bit of persuasion was needed from the victim of the abuse (a geordie lad) and his helper (a rather large gentleman who resembles King Kong). The only good things that came of it were:

a. Several extra helpers responded to a summons over the air but were not needed.

b. The culprit saw the error of his ways (and a couple of his teeth for the last time).

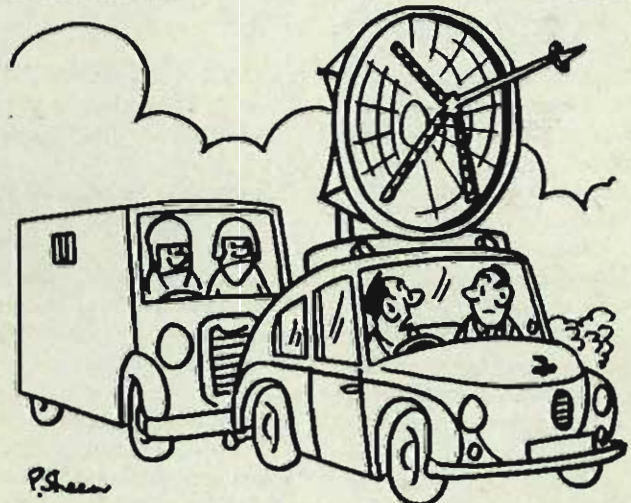
c. The local panda car turned up and purposefully looked the other way until it was over.

The local club's only possible action after this was to publically ban the sewer mouth and declare him persona non grata.

The physical method used to deal with this problem was highly successful, but please, ask yourselves, do we really want to have to do this sort of thing?

Its quite obvious to everyone on the air that the majority of breakers are good guys and gals and really do want to use the service to help all the citizens in the UK.

Not too long back, we had a freak snow storm which just about brought the county to a halt. All the local clubs combined in a joint



"Then I read an article saying that a 930 MHz rig is a status symbol."

effort. While it wasn't perfect it was certainly pretty good considering the lack of formal planning and rehearsal. The majority of people not directly concerned cooperated fully.

The breaker channel was temporarily changed to assist traffic reports, and candles, blankets and heaters were taken round to all the old folks left without power. It made you feel good to see it happen. But we still had our share of idiots who took delight in trying to turn it into chaos. I just don't know what turns some people on.

In the early days of the fight for 27 MHz (we seem to have forgotten to ask for AM at that time) one of the stupid arguments that the government were throwing out was the potential misuses of CB. How angry we were at the implication that Britain was a nation of idiots that couldn't be trusted with

something as nice as CB radio. How angry are we now when it seems to be true for an awful lot of people?

Until someone invents a device that pushes 25KV into someone's rig when they start abusing the privilege what can we do to stop it?

There doesn't seem a great deal we can do except publicise who's doing it — and then we'd better be damn sure of the evidence; the laws of slander and libel are pretty watertight in this country.

Apart from that, I know what I'm going to do.

Get myself a legal rig, that's what.

Most of my friends are going to do the same and happily pay the

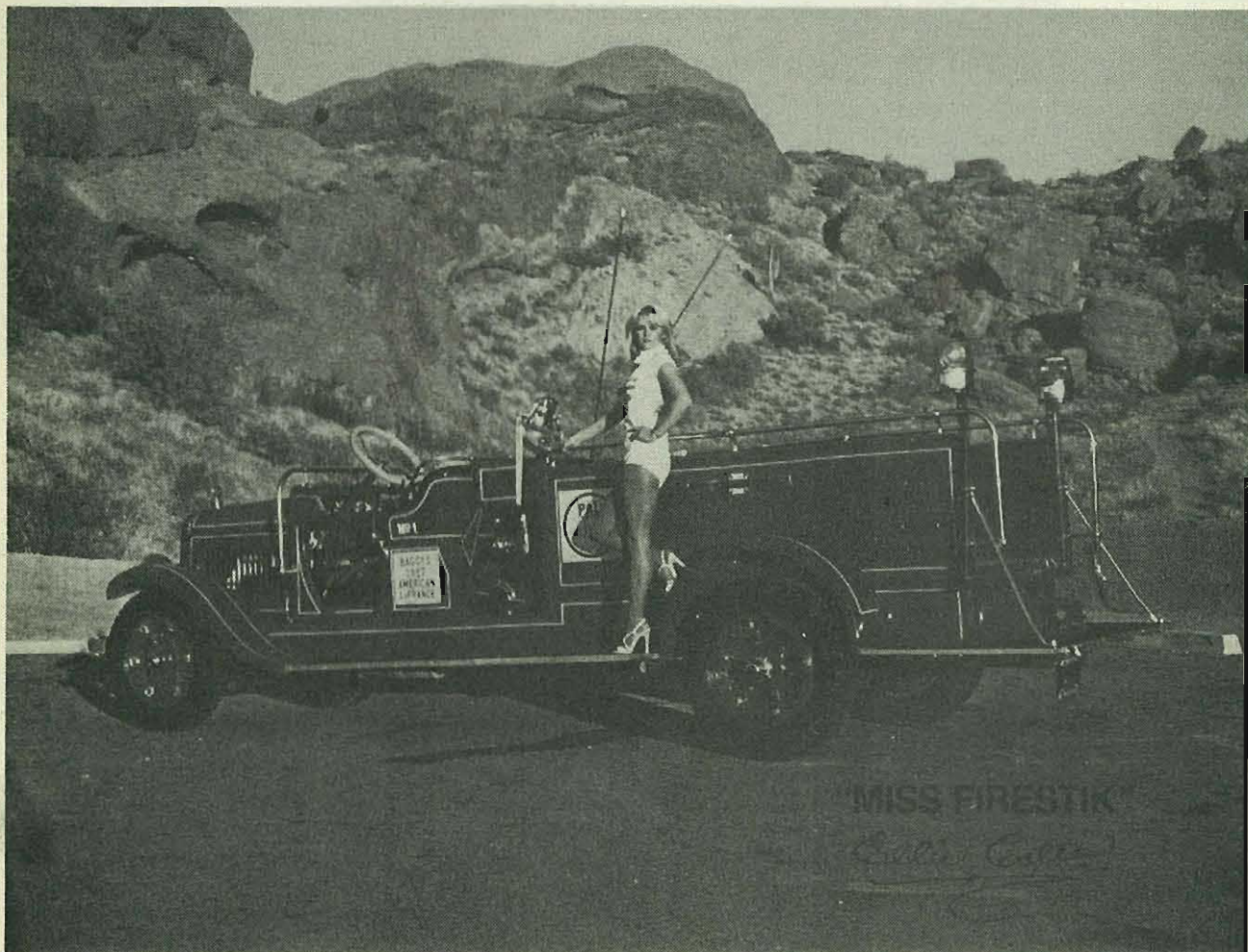
license fee to HM Government. I just hope the wollies don't follow us up there. Just about all the old breakers in my area share this view but some are still going to stick with Ancient Mary, their first love. I say good luck to them. I'll carry on fighting for AM as although it's not my personal choice for a CB network it's still got a lot going for it and the government could have been a bit more realistic about it.

What I do hope, though, is that the powers that be use my licence fee to put the trouble-makers out of business and not stamp on the genuine breakers who don't really want to cause anyone any heartache on A.M.

I shan't sleep easy if I think they'll be stamping on the good guys with my money.

Take care, 'cause we care

Scribbler



IS C.B. A GOOD BUY YET?

by I.M. Johnstone-Bryden (Downtown Dragon)

The announcement by Government earlier this year of proposals for legal CB created mass euphoria in the ranks of British CB enthusiasts. Not only was there to be a legal system, but the magic 27 MHz was to be used. During the first few weeks which followed this historic pronouncement, sales of CB equipment increased. Then, gradually the implications of the proposed policy began to sink in. It is now clear that the controversy which has surrounded CB is far from ended.

While 27 MHz may suffer chaos, 930 MHz could well prove to be a haven. When CB was first planned some forty years ago, 27 MHz was a relatively high frequency and the same arguments were put forward against using 27 MHz as are now used against 930 MHz. A feature of what are now relatively low frequencies is the greater range, especially when high transmit powers are used. This of course makes 27 MHz attractive to the DX'er but bad news for the majority of CB'ers who are interested in local events. The longer the range, the lower the traffic levels which can be supported. For example, one channel in the 930 MHz band can carry the equivalent of perhaps sixty channels at 27 MHz. This is why radio communications have become more viable as higher frequencies become available.

The DX'er will find great difficulty in operating on 27 MHz under the conditions set out in the draft specifications. This may not prove to be a major problem, in that other CB'ers would benefit from the reduced traffic and 'Ham' bands could provide DX'ers with an excellent alternative. 'Ham' equipment is not much more expensive than CB rigs and offers better DX'ing performance. It is therefore possible that both groups of CB enthusiasts could benefit in the long term. The major drawback of 'Ham' bands for DX'ers is the examination standards required for licencing. Even so, the examinations are not that difficult to pass and they ensure that all long range radio operators meet a minimum standard of skills, which removes many of the problems

encountered by DX'ers on 27 MHz when 'green' CB'ers interrupt their transmissions.

If we accept that 27 MHz must meet the draft specifications, and DX'ers move to pastures new, will 930 MHz really be required? The CB lobby and the manufacturers have both spent much time in trying to demolish 930 MHz. They had different reasons. The CB lobby wanted 27 MHz because it believed that this was an international standard and equipment would cost less, for a These performance differences also account for many of the complaints received by the Home Office from existing radio users, particularly essential service operators such as the Police. One Police Authority, Cambridgeshire, has already said that it will increase efforts to catch illegal CB operators because they are causing havoc to Police communications. The Police believe that the final CB specifications will remove these problems. However, a change from AM to FM will not provide a solution. The major problems are caused by DX'ers using high power transmitters and the proposed effective radiated power, or e.r.p., will make an improvement, cutting the level from 150 watts (used by some DX'ers) to 2 watts. However, even then, there would be some interference.

better performance. The manufacturers, especially British manufacturers, wanted 450 MHz because they believed that this would offer reduced competition and higher profits. In the pursuit of these objectives, both groups propagated a number of half truths which have generally been accepted as fact. The essence of these statements is that 930 MHz rigs would cause cancer, blindness,

sterility and other unpleasant illnesses, no one would buy the equipment, and in any case no equipment existed so that it could be years before 930 rigs would be in the shops. This ignores the fact that 930 MHz equipment has been in use for several years in the United States. The users have moved from CB and professional equipment, stating that the new system is a great advance over other systems. No evidence has yet been found to suggest that any health risk exists, that no one would use the equipment, or that the performance is in any way lacking.

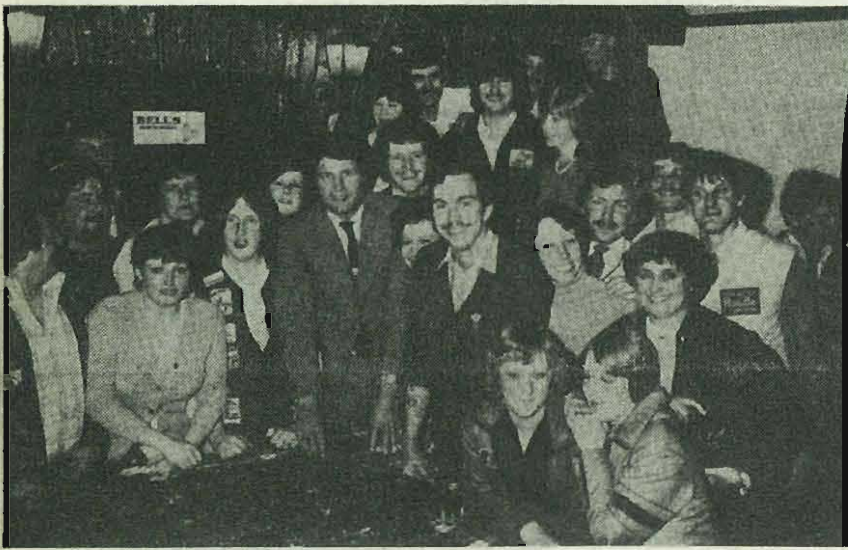
There is now reason to believe that 930 MHz will eventually become the true international standard. It offers increased traffic capacity and is able to use facilities which cannot easily be added to 27 MHz equipment. Amongst the exciting new facilities, the use of satellites opens up a completely new range of CB communications. Therefore, while 27 MHz may be the first choice of enthusiasts during the next 12 months, 930 MHz offers the best system in the long term. In terms of value for money, it is necessary to look at fitness for the job. The short term would see 27 MHz rigs in front, but at present the confusion, which will exist until the final Home Office specifications are published, makes it very difficult to cite any individual rig as the best buy. DX'ers will probably find that no legal CB equipment will meet their requirements and they will either have to move to 'Ham' bands, or continue to break the law. If they follow the latter course, they will become increasingly unpopular with other enthusiasts. While the long term future of CB looks very good, for many potential users it is unlikely to be a good buy yet.

Caravantown Breakers raise more than £500 for Porthcawl Spastic Aid Group

Porthcawl — in mid-Glamorgan — has some fine breakers that splash against the elegant promenade constructed by a Mr. Brogden (nice place for a holiday, too). However, the other kind of 'breakers' are also in evidence, since Porthcawl has a C.B. club named 'Caravantown Breakers', no doubt in honour of the mobiles that crowd Trecco Bay. The hard working CBers have just raised over £522 for the Porthcawl Spastic Aid Group, which itself is raising £7,500 to buy oxygen detection machines for Bridgend Hospital. Incidentally, that sum of hard cash was raised in just three days, and must represent some kind of record in C.B. Country. One of their heroes, John Toshack, added his personal thanks to the Caravantown Breakers for their efforts.

Meanwhile, just a handful of miles away, the 'Coaltown Breakers' of Maesteg, a mining town in the Llynfi Valley, have raised a hundred quid to help provide treatment for a one-year-old girl whose brain damage at birth caused her blindness. As Damon in 'The Glamorgan Gazette' commented, "If ever a bunch of boys and girls put their money and time where their mouths are, its the breakers — our local Citizens Band enthusiasts."

That's the kind of publicity we all like to see!



**BELL TOWN BREAKERS WALK
SEVEN HUNDRED QUIDS
WORTH**

No prizes for guessing why Loughborough Breakers call themselves the Bell Town Breakers. One of the country's most famous bell foundries — John Taylor — is at Loughborough, whilst the carillon tower is a great place for putting a C.B. antenna (anyone tried it?)

During May, the Bell Town Breakers raised £700 for the Loughborough General Hospital by arranging a sponsored walk through such famous places as Burton-on-the-Wolds, Cotes and the Durham Ox at Six Hills (then back to dear old Loughborough). About 70 members took part, and

there has also been a fancy dress football match, very appropriate for a town with a fine sporting tradition. Although formed less than three months ago, the Club has about 350 members, who meet at the Shelthorpe Social Club, on the Leicester side of the town. However, new members applications are having to go onto a waiting list until they can be accommodated. There are, according to the Club, about 900 breakers in the Loughborough area.

Another good example of C.B. getting into its stride for the community!!

AND NOW A CAR WITH C.B. GRATIS

As predicted in 'C.B. News' some time ago, the advent of legal C.B. has prompted an advertising campaign in the very competitive car business. General Motors, in France, have launched the Opel Kadett Citizens Band, the first car to be fitted with a C.B. radio and sold as a complete mobile, in that fair country. Using the theme, "You Talk Of A Car", the advertising agency, McCann-Erickson has launched a two month campaign mainly aimed at young people. The press advertising will be backed by a radio commercial campaign over four weeks — let's hope those



Gallic Breakers don't mistake the commercials for someone wanting a fast radio check on the rig.

According to current estimates, France has about a quarter of a million breakers, but the number is growing, and this may be a conservative estimate, anyway. C.Bers in France are called 'cibistes', which, we think, is pronounced 'sea-beast'. And that is the kind of English name we could call some of the more reckless users of the Grand Old Frequency.

HERE IT IS! THE C.B. RADIO SHOW (UHF)

From time to time, the elegant (?) staff at 'C.B. News' drop their doughnuts in amazement (and maybe to avoid the steady trickle of spare jam). Such a moment comes when we hear of C.B. group links on Channel, usually far away from AM to present a sort of home spun radio. While we have had some worthy examples from the good old US of A we have also been impressed by examples from Australia.

We would certainly like to listen to 'On 8 at 8', which is a radio format on UHF C.B. by and for breakers. We have already tried to secure some info direct from these C.B. radio shows, but did not get our letters answered. Well, not yet. Paul Richards explains that 'On 8 at 8' started on UHF Channel 8 at 8 p.m. in December 1978. It was originally designed as a gently organized talk-in for 35 Sydney UHF users but now has up to four times that number involved. Melbourne and Adelaide also have similar C.B. 'shows', which include 'frank and open discussions that cover anything from current events to electronic theory'. In February this year, Paul Richards reports, an acoustic coupler (designed for a computer and Telecom approved) facilitated a hook-up between the Melbourne and Sydney 'On 8 at 8' programmes. "Our topic that night", writes

Paul, "was an open discussion on repeaters. From Melbourne, we were able to hear live a report on repeaters direct from the horse's mouth". The article is a fascinating look at C.B. possibilities, given a few dedicated people to book speakers, make plans and (most trying of all) answer letters. C.B. firms ought to be interested, too.



Paul Richards mentions that two experts — from Logic Shops in Sydney and Melbourne — "gave us the true low-down on home computers and kept an interested group of enthusiasts on until midnight". An electronics businessman is scheduled for a further 'On 8 at 8' programme, also a radio

personality, politician, professor of genetics and a gent on the Wanted List.

In a lively report for 'C.B. Action International' (52), Paul adds: "Gwen (NC1308) has taken over the Sydney Ladies Night called 'Angels On 30' (Tuesday nights, 8 p.m. on Channel 30, UHF). The recipes flowing over the airways would tempt any gourmets and their day-to-day experience is anything but boring." He adds that the Sydney Ladies have worked hard for many charities, and are planning to publish their own cookery book. This, we think, is the real face of C.B. for the 1980s — a first-rate way of bringing people together, and, dare we add, of making the air waves more democratic.

Paul says that he would like to see a central studio for 'On 8 at 8' for better Sydney coverage. The programme is not a club or closed group, he adds. "It is an open social organization that welcomes everyone to the discussion. It solicits every point of view with respect and reserves the right of every breaker to challenge that point of view. This is what makes the programme something more than a QSO".

Great stuff! Wonder how long it will take us Brits to put some C.B. on the BBC.

Ice is nice for the price

With the weather we've had this summer, ICE may not be your cup of tea. In this case, it stands for In Car Entertainment — and, we may add, there is a strong hint of keen competition among major manufacturers this year. Indeed, the competition for ICE business will almost certainly spill over into the legal C.B. boom, with special combination units on offer by the Spring. Manufacturers have been little helped by the government, in getting C.B. equipment available in time for Christmas 1981. One of the livelier companies in this field,

with a keen eye on quality, explained to 'C.B. News' that, with the delay in getting the final C.B. specifications from the Home Office, it was impossible to get high quality equipment on show in time for the May Trade Show in London. And it is at the Trade Show that orders are placed for the sales boom that starts, usually around October and moves up to Christmas. Without criticizing the companies that have rushed out models, most of these importers, the spokesman for the company said that by the time his company would be able to test prototypes,

establish a production run, with good quality checks, and get it announced to the trade, it would be too late for Christmas 1981. This is not the first comment we have had to the end that the higher quality rigs will be about in time for Christmas 1982, not 1981! Still, you ought to find some useful models about, once legal C.B. gets under way. In the meantime, Hitachi is really going to town with ICE promotions. This well-known consumer electronics company is extending the range of retail outlets handling ICE equipment.

Whilst existing dealers, primarily specialists who offer an installation service, will continue to enjoy good business, it's felt that there is a growing market for

the DIY enthusiast, who prefers to 'buy the box and fix it up himself'. Great stuff. Hitachi's divisional manager for ICE is David Vessey, and, if you need information on the range, and cannot get it anywhere else, he will probably arrange to let you have the info. Address is: Hitachi U.K. Ltd., Hitachi House, Station Road, Hayes, Middlesex, UB3 4DR. Hitachi has some nice car stereo player equipment, by the way, featuring the Automatic Sound Level Control System (ASLC) — this automatically raises or lowers the volume to a pre-set level, depending on the noise generated by the car at different speeds or in different road surfaces. You must admit that Science is Wonderful. Also having a credit card.



"Well, at least Rin Tin Tin knew what a rig looks like."

PHILIPS MAY GET INTO SOPHISTICATED C.B. BUT LAUNCH PHILIPS MCC CAR RADIO — THAT'S SPECIAL

Although the Audio Division of Philips Electronics are not yet moving into C.B., they stated (in March) that the company may later enter the market at the top end where products will be more sophisticated. This still remains the Company's policy, but in the meantime, Philips have been developing some excellent car radio receivers. The AC 990 car radio/cassette has the unique

Philips MCC (Micro Computer Control) tuning system, which means you can stay tuned to any selected FM programme over ten times the normal FM range, and always at maximum available signal strength. This, we think, is going to give a boost to local radio use, since people like to keep in touch with home as they drive, but will obviously extend the use of FM

radio. You also get AM-type range with super-quality FM stereo reception.

There are up to six FM programmes to choose from, plus 'Memolock' ten-station memory tuning on FM, MW, LW and SW; automatic search tuning; accelerated action manual tuning, and a quality cassette player.

The MCC system uses a power micro-computer with an EAROM (Electrically Alterable Read-Only Memory). Unlike the memories fitted in most digital sets, this remarkable device needs no battery supply, yet it will retain the information placed in it for a minimum of ten years. In the EAROM, it is possible to store no less than sixty FM transmitter frequencies in groups of ten.

This sophisticated unit has completely separate FM and AM circuits, tuned RF stages and super HI-Q ceramic filter IF stages for maximised sensitivity, selectivity and large-signal handling capacity. The IAC (Interference Absorption Circuit) enhances performance, too, whilst the car stereo decoder is believed to be the most effective yet

Philips MCC the first car radio with an automatic homing instinct

The first car radio to re-tune itself

The AC 990 is an advanced receiver with the unique Philips MCC micro-computer control tuning system. MCC can tune to any selected FM programme over ten times the normal FM range. Always at maximum available signal strength. You get AM-type range with better quality FM stereo reception than any other FM programme in the area.

Favourite programmes fade fast

With 10 memory locations, you can store up to 10 favourite programmes. The AC 990 will automatically search for the best signal and store it in memory. The

best signal will be stored in memory. The AC 990 will automatically search for the best signal and store it in memory. The best signal will be stored in memory. The AC 990 will automatically search for the best signal and store it in memory.

The answer - MCC

New Philips receiver has found the answer. The micro-computer through its automatic search tuning system will store the best signal in memory. The AC 990 will automatically search for the best signal and store it in memory.



For six different programmes

Each one of the six MCC programmes can be programmed into up to 10 memory locations. All broadcasting the same signal to provide uninterrupted reception of up to six different FM programmes over a range covered by up to 10 transmitters. That's ten times the normal FM range of an ordinary FM programme set. These ten memory locations are available to store up to ten favourite FM programmes. No other car radio in the world offers continuous FM reception over such a wide range.

Good reception in bad areas

The MCC micro-computer always tunes to the strongest signal. If one transmitter is blocked, for example, by a high rise building, MCC will tune to another. So it maintains the best possible reception in notoriously bad areas to enable FM. And when reception is poor, it can be very easy to change to another station.

Plus memolock and autosearch

MCC is a unique programme tuning system. It also incorporates all the major features of a conventional car radio.

Just turn the dial to the station you want. The AC 990 is a digital set with a digital display and digital tuning. And it has a high quality stereo decoder. In MCC it's an essential feature, without extra cost.

MCC in action—the AC 990 radio-cassette combination

Key model in the world to be equipped with the unique MCC system, the AC 990 is a digital set with a digital display and digital tuning. And it has a high quality stereo decoder. In MCC it's an essential feature, without extra cost.



devised. The cassette player is rugged and has autostop electronic tape protection, ESC electronic speed control, and other features.

'C.B. News' has not had the opportunity to examine this interesting unit in detail, so this is not meant to be a review as such — but we know that Philips work to high quality standards, and, as they

NOT THOSE SORT OF SCANNERS!

Since the all-time movie great of C.B., 'Convoy', breakers have been looking for a sequel, and there was a rumour that the Government Green Paper on C.B. was to be filmed in the 'Carry On' series. We hope you haven't been misled by a recent film called 'Scanners' which has been on show during June, and later. The film poster says, and we quote, "10 seconds, the pain begins....15 seconds, you can't breathe...20 seconds, you explode!" Yep, that's just the feeling you get when you hear Ma-in-Law chatting on the rig. Or even the local bad mouth at work. We get the general idea that the film has to do with a group of odd balls who have the power to make ordinary folks explode — those bad mouths again! Maybe a follow up could be 'Big Boots', about a monster linear amp which is James Bond's ultimate problem. Goldfinger will keep his digit on the mike key, and Dr. No will keep saying that when asked to buy a Club Raffle ticket. As for Pussy Galore, she knows when she's well off anyway. We ain't heard of a better handle no-how. We saw one guy stagger out of the local movie-house after seeing 'Scanners' and he was obviously agitated. Seems that when a few folks on the screen had the tops of their heads shattered by thought waves, a guy in the next row leaned over and whispered heavily, "Happens every time when you use 934 MHz." C.B. means Cranium Blown, it seems. Wonder what Abbot and Costello would have made of C.B.?

invented the compact cassette way back, know what they are doing with the associated technology. So we suggest you find out about these new MCC Car Radios from Philips — this could be the kind of handsome technology we'll be seeing when, one happy day, Philips get into C.B. Details from: Philips Electronics, Audio Division, P.O. Box 298, City House, 420-430 London Road, Croydon, CR9 3QR. Write to the Product Manager, Car Audio (Mr. R. Morement). Or pick up a leaflet at your Philips dealer.



GEE! THIS GUY REALLY HAD A HANDLE

Anyone out there have the handle of 'Schnoz', or 'Schnozzle'? If you really want to know how to use your voice on the rig, we'd like to recommend a happy life story of Jimmy Durante, 'Schnozzola', which has just become available in Britain (£5.95, distributed by LSP

Books, Godalming, Surrey). In about 184 pages, Irene Adler tells the life story, with large bright pictures of a little guy who started show business in a speak-easy and other tough places with attractive damsels (just like the C.B. Club), then who moved onto show business and films, which, alas, never made full use of his remarkable gifts. Sometimes, people told Jimmy he ought to learn to speak properly. In terms of his career, that would have been a 'catastraskote'. He wrote the kind of song that could be the theme of local breakers, including 'Inka Dinka Doo'. No-one though ever tried to perform the songs of Jimmy Durante — tell me, have you heard even someone as famous as Des O'Connor attempt, 'I'm The Guy Who Found The Lost Chord' (that's a challenge, Des).

"Today, when a songwriter sees me on the street, he runs," said Jimmy. "Why, if I'd been the foist one to sing, 'Columbia, da Gem of Da Ocean', dat woulda been da last you woulda hoid of it." Same goes for real classics, too.

We mention this handsome book as it has a lot of old-time radio and show biz stuff in it, and it is a fine story. Also the phrases invented by Jimmy durante would have eclipsed truckers talk once and for all. And how about having 'Umbrigo' as a handle? That was a title for one of his songs. But, of them all, we prefer, 'I'm The Guy Who Found The Lost Chord'. Any guy who could do that would coitnly be able ta figger out what the goivamint is plannin' to do with that ole C.B.

'One Florida Kings Kid' talks CB on Radio Trent

Jerry Arhelger, a country and western singer from Florida, has made some interesting records lately, including a best-selling single about C.B. Jerry — who now visits Britain about twice a year — was in Nottingham recently, and was interviewed on Radio Trent by David Millington. According to Jerry, who has his own rig and meets many

truckers, there are about thirty three million breakers in the U.S.A. And, despite the occasional problems, Jerry says its a god-send, and has seen cases where accidents have been prevented through adept use of the rig. He quoted one example where a visitor to the U.S.A. was hurtling down a freeway on the wrong (left) side

of the road, still thinking he was driving in England. Through fast use of the C.B., he was stopped before he hit anyone. There are many such cases, and Jerry paid tribute to the work of REACT.

Jerry, who has sung at Wembley and Nashville, has had something of a hit with a single with the unusual title of 'Breaker, Breaker, Sweet Jesus', a sort of modern spiritual, with a picture of the trucker's life in the lyrics. It is a very fine record, we believe, and has enjoyed impressive sales. Indeed, the single has brought Jerry many invitations to sing, and he was recently at the National C.B. Convention at Washington, D.C.

Referring to the good deeds performed via C.B., Jerry mentioned that many Christians were using C.B. these days, to welcome strangers in town, and sometimes to encourage each other (as is the way of CBers

generally). Sometimes, Channel 3 is reserved, or specified for meeting other good Christian folks, and also to get to know practical info, like where to find good eats and a good bed. Jerry commented that he could have used that kind of aid during his visit to England!! There are several different Christian groups of C.B. users, he said, including one that has taken the name of his single. Jerry gave an interesting description of the trucker's life in the U.S.A., and confirmed that they are *real men*, hard working and tough. Some of them seemed to have trouble with Jerry's handle — originally, 'Glory Train', but he was called 'Freight Train'. He also tried using 'Kingfisher', but finally settled on 'One Florida King's Kid'. Jerry's records are available in Britain, and imported via Anfield Music of Birmingham. Maybe we'll hear one or two on the BBC disc programmes, since we are moving into C.B. singles!



"This scary poster was designed for 'S9 Hobby Radio Magazine' and suggests that the FCC might be more in the way of Uncle Dracula than Uncle Charlie. Readers of 'C.B. News' might have their own ideas of possible Home Office posters to scare wayward C.B. users in Britain — if you have a design in bold black on white, we'd like to see it. Address to The Editor, C.B. News, 41/47 Derby Road, Heanor, Derbyshire DE7 7QH. We'll see about printing the best entries."

HERE COMES THE BUZZBY BUZZARDS!

Readers will be interested to know that the London advertising agency responsible for those Buzby advertising campaigns — paid for by the long suffering telephone user — has been sold to the Americans. Seems they might want to use Buzby over there, e.g. to persuade them that the British folks could use some food parcels given the price of calls these days. On the other hand, the British Powers That Be will certainly be wanting some real technical know-how from the FCC, on the matter of apprehending the wayward folks who insist on using souped up rigs, or even C.B. on the Grand Old Frequency of 27 MHz A.M.

Most monitoring procedures in the U.S.A. are carried out by permanent stations, i.e. in elegant buildings with carpet on the floor, and real coffee in the cups. In a large city or major town, this is by far the easiest way of checking on who is using C.B. — and how!! However, the FCC also uses monitoring trucks, or vans, with more gear inside than you'd expect to pick up down Tottenham Court Road (London's fabulous home of audio, video and ham sandwiches) on a wet afternoon. Although there is a genial attempt to make these vehicles anonymous — a conventional motor caravan, for example, or the high lidded truck used by

itinerant LP dealers — the license plate tends to give the game away. The federal license plate is marked 'U.S. Government' and even has the prefix 'FC' before the number. Chances are that given the high powered wit at work inside the Home Office in the matter of clouting wicked breakers, we might have official vans similarly prominent, e.g. with a sign at the back, "This is not a C.B. Monitoring Van, So There! Please do not scratch the paint as it upsets the Home Secretary." Another giveaway would be the large black polished boots worn by anyone ambling about, and pretending to be measuring the weather for the EEC Cloudburst Commission. The FCC vans have had

occasional clouts in the past (so have the engineers, by the way) so these days they are burglar and assault resistant. All kinds of bells and alarms ring, if anyone other than the accredited user attempts to open the door, switch on the ignition, or rotate the antenna (we gather there's an even nastier shock for anyone trying to eat the FCC Engineer's ham and mustard burgers). In the early days, it seems that some very bad breakers learned how to get inside the vehicles and sabotage them more than somewhat. Indeed, from the tales one hears from the experts at Uncle Charley's, you get the impression that 'Hawaii Five-O' is just bedtime stuff for the kids compared with the rough stuff



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handed out to the FCC by wicked CBers.

Strangely enough, the legendary speed of the FCC trackers has done little to cut down the offences of C.B. — though these may be diminishing a little now. On the other hand, C.B. in the U.S.A. would probably be quite impossible were it not for the monitoring service. Gordon West, wrote a fine piece on mobile monitoring for a U.S. magazine, a couple of years back, and pointed out that it usually took three FCC monitoring units to track down operators quickly. Each vehicle takes a bearing to the illegal or offending station, and then compute the three coordinates to get the approximate location. Once within a matter of yards of the bad-mouth or wise-guy, the operator can use a sensitive and variable signal strength meter to pin-point the source. This has to be confirmed before the FCC men take action. Then the antenna is photographed, and the signal tape recorded for the files, and return to base. Usually, the Head Engineer at the local FCC department will take a decision on what happens next. He is able to hand out a ticket otherwise known as a 793L. This, when

handed to the warward CBer, tells him he has been caught red-handed, and has to cough up some cash. If he's wise, he'll pay the fine, and mend his ways. If he does, then he can go on with his hobby for as long as he likes (with many errors; it may have been just carelessness, showing off or having too much gin for supper). This, however, depends on his holding a C.B. license. A license holder who commits a run of the mill offence, is rather like the car driver, with a clean license, who gets caught for speeding. Pay the fine, boy, and don't do it no more. However, if you're speeding and you have no license, brother... you are in trouble. Fines for illegal use of C.B. by a licensed breaker are far less than those whomped onto the character doing much the same thing but without a license. Maybe the same kind of pattern will emerge in Britain.

The 'anonymous' FCC monitoring vehicles maybe carry as much as a hundred thousand dollars worth of equipment. Yep, ten of those works out at a cool million dollars. When the Home Office finds out about *that*, they might send out their detectives on a post office bike (why not? my mail has to come that way in all weathers). Of course, the FCC monitoring vehicle does far more than monitor C.B. — FCC engineers on the road have many other tasks, since the U.S.A. is a hot bed of radio, from hams to local radio stations, from industrial users to public authorities. Basically, they aim to keep the frequencies clean for what they were intended. Without the FCC doing this kind of work, there would be a sort of condition roughly known as CHAOS.

The driving area inside the truck is kept clear of all equipment, except maybe a cassette player or conventional in-car radio. But the rest of the vehicle is crowded with all kinds of electronic gadgetry, including a frequency measurement adapter, which, when combined with other

receivers, can measure C.B. frequencies down to one cycle. There's also an all-band receiver (10 kHz to 900 MHz), generator control panel, tunable filters, antenna rotor, antenna patch assembly, frequency converter, electronic frequency counter (measuring 50 to 500 MHz), oscilloscope and signal display scope, which, according to Gordon West, allows FCC engineers to take a 10 MHz 'look' at any frequency to see who is on the band 5 MHz up, or 5 MHz down, all visually.

The illuminated micro-fiche display unit, of the kind you might see at your local public library — gives instant data on license holders in the state, and maybe adjoining state. So, it's possible to check at once whether the offender in the house across the street has a license or not. Gordon West put down a few merry tales from his inspection of the FCC truck, and conversation with the operators — one had to do with a visit to a small town by an FCC monitoring engineer. He parked his van on a long-abandoned service station, and was soon picked up by the local police, who failed to believe his story (which was the truth, naturally). Seems that a night in jail isn't exactly the softest place in which to spend the night. Just occasionally, as is the case with traffic wardens in Britain, the FCC man gets socked as he hands over the ticket. Which gets the bad guy into more trouble, naturally. However, the FCC monitors are not in the pursuit game: the FCC is only allowed to hand out tickets, not to arrest folks. On the other hand, they can give help in an emergency, assuming they can get out fast enough, after having a computer on their knees all day.

We've been trying to find out if we'll get similar vehicles parked outside A.M. users homes hereabouts. Theoretically, the Telecom detector vans, currently tracking down unlicensed TV watchers, could be adapted, but it does not seem too likely. There aren't enough of them for the job.

Furthermore, as with much else, the will may be lacking. A lady complaining about TVI in her part of the Midlands, on local radio, said that a number of people in her street had complained to the Post Office, who sent officials round during the day time. They knocked off at five, whereupon the TVI started much later when the bad guy got home from work. Naturally, when he was doing the TVI, the officials who hadn't found anything wrong were home with their jigsaw puzzles. So, with all the economies being inflicted on the nation, a certain amount of bluff may be forthcoming. Large vans emblazoned, 'Beware. C.B. Detection Van' will be driven around the country, with windows painted over so that no one can see there's nothing inside. *That* would be the true Brit way of doing things.

However, since TVI is the awful complaint that reaches parts that other awful complaints cannot reach, there may certainly be a clamp down on souped up rigs, and linear amplifiers (don't say you haven't been warned!!) Using over powered rigs, and creeping across the frequencies are both considered Evil Deeds on a Grand Scale in the U.S.A., and they are more liberal than we are. Yet it's surprising how some bad guys on the rigs seem to persist. One lad reported in a

recent C.B. paper, was arrested after more than 300 complaints had been received by the FCC, for his use of music and bad language on the rig (separately we assume, it's true that a lot of pop has a lot of bad language, but it's doubtful anyone would be that wicked in Britain!!!). This U.S. Character had his equipment confiscated because of his dire deeds, then went out and bought some more and repeated the assorted C.B. crimes. He had a fine of several thousand dollars, and naturally lost his license. You can lose your license if the FCC monitor finds you using unauthorized frequencies. The U.S. C.B. magazines report the worst offences, which sometimes make even 'The News of the World' seem tame by comparison. You can be naughty in a very influential way on C.B. — and the FCC doesn't like it.

One way of checking whether a Telecom Detector Van is around your way is to keep an eye open for the standard type of van currently used by that worthy organization. Chances are it will be painted yellow, and that its license plate will be immaculate, since Telecom likes to keep its vehicles nice and clean, unlike many a C.B. user. TV may show commercials to the effect that the C.B. detector van is coming your way, encouraging a massive

rush to the Post Office where, if you are lucky, more than one person will be serving the crowd.

As we've said already, we may yet see a similar operation to keep British breakers in order, a fast handing over of a ticket with a fixed fine if we are caught red-handed doing something wrong. This may be, say, £50 for failure to keep to frequency or permitted power for a first offence, on the basis that you are a licensed operator. Though A.M. users are somehow under the impression that they are going to get whomped later in the year, they have to remember that once *everyone* comes under a C.B. Rules 'n' Regulations sheet, they'll be checked along with F.M. users, as a matter of course. That is, if the British Government really intends to monitor C.B. use, and that *is* an open question, in terms of real effective coverage of C.B. Country. We still think you ought to behave yourselves. We might swop the North Sea oil for a speck of FCC assistance in this matter. Or even let the Yanks have the gas guzzling Concorde for a few of those so smart trucks. Ferguson, God bless 'em, have technology you can trust. The FCC has technology you can be scared of. And the British High-Ups would certainly like a bit of *that*.

Radiogram Kid

THE SIMPLE ART OF THE C.B. LICENCE



It looks as though getting a C.B. licence is going to be almost as easy as getting one for the domestic TV. Or even the dog.

Timothy Raison, Minister of State at the Home Office, in reply to a question in the House of Commons, said that the new C.B. licence would only require the holder to use legal C.B. equipment. It will not record the model and serial number of the equipment to be used, since this, according to a trade paper,

'would make unacceptable demands on staff and resources'. The fact that large chunks of the Civil Service were not working, including the Masters of the Dreadful Vicious and Lethal Computer at Swansea — with which many road-users have had tussles in the past, was neither here nor there. Indeed, from the mood afoot, it seemed positively unlikely that a Civil Servant would do anything with a C.B. Licence except drop it into the nearest shredder.

Some months ago, 'C.B. News' printed a thrilling picture of the Post Office of the future, crowded with people getting their unemployment money, with everything held up by a C.B. licence applicant being told he had to change his handle (as stated on the form). Could it be that this torrid tale made the Powers That Be realise that, given further delays at the Post Office counter, a new political party might emerge, dedicated to the cause of cafeterias and comforts in these establishments? Anyway, back to the licence. By the time this gets into print, we should know how much it would cost. Amateur radio users pay about £8 a year, dog owners rather less, on account of the government's sensitivity towards dogs if not to the diligent C.B. user. We have always thought that the C.B. licence would be higher, not least to take account of the business taken away from the Buzby Branch, your friendly local almost intelligible land-line. And we still think a nasty shock could be coming: £20 would still be a decent charge for a year's use of the legal C.B., free from hot pursuits by jam sandwiches and swiss rolls (constables on bicycles that sway from side to side).

What would be the point of stating the equipment make and serial number on the licence, you may ask. Well, it would make tracing stolen equipment a little easier, but remember that the police can already get serial numbers of all kinds of audio

equipment, from cassette recorders to TV sets, simply by using manufacturers and retailers' records. All retailers keep records of the serial numbers of the equipment they sell (where serial numbers are provided by manufacturers — and this would be the case with C.B. equipment). When you buy a legal — or for that matter illegal — rig, make a note of the serial number at once. Also, though this may make your eyes water given the natty look of the rig, scratch your name onto the case somewhere. Nothing so discourages the break-in merchant as discovering you have made an indelible mark on the gear he wants to pinch — if and when it turns up in a second-hand shop, it will be too easy to trace. And since most break in merchants are opportunists, and young people at that, the home made etch may save your rig.

An argument for having the specific item of equipment listed on the licence is that it would show that legal equipment was already owned by the applicant — you can hardly give details of a rig you do not own yet, and claim ownership. Although the government seemed to suggest it would cost too much cash, that may not be the precise point. We're used to waiting in these big city and town post offices (there was a near riot in my local one, given folks were waiting up to half an hour for service from just three out of eight counters). Also we have been led to believe that computers get this kind of info out rather fast. Even an old retired general could be employed part-time to enter the details in an official Home Office ledger for a mere pittance (according to the Civil Servants currently complaining about their pay). It's possible that a great selling and buying second hand of the legal equipment is forseen, as folks try F.M., find it a lonely place and return to their first love, A.M. It's also possible that some A.M. users will buy an F.M. rig, get a licence but still use A.M. — then show the F.M. rig if

and when the sturdy officials call round. Even with this new device called the 'Rigalizer' (which tells A.M. from F.M. signals, and maybe even Stork from butter) the apprehended breaker could have time to switch on the F.M., and get his wife chatting therein, before opening the front door. Alternatively, a great mood of weariness about the whole business may have descended upon officialdom, which hasn't really felt enthusiastic about much since it organized the rationing of sweets and chocolates thirty years ago (now, that was real organization, which, if applied to economic planning might make it possible for us to afford a bar of chocolate today, now it's not rationed).

The number of licences issued will be related to F.M. rig sales, of course, and dealers will probably be required to tell the Television Licencing Centre in Bristol, assuming it isn't on strike, to whom the rigs have been sold. Fair enough. We used to get shoals of postcards from the Television Licencing Centre (in Bristol) informing me it was time to get one, even though I had held one for years. I think my going over to colour threw the organization into chaos — you can imagine the problems they'd have telling A.M. from F.M. It should give patriotic breakers cause to thank that this proud nation, which once ruled the waves, can't now even get C.B. organized. Sir Winston would have got it sorted out in a half hour between writing chapters of his book (not that his 'History of the English Speaking People' included C.B., maybe because using C.B. ain't exactly English-speaking).

Another question posed to the government was whether imports would be licensed, i.e. would importers of C.B. equipment be required to hold licences to continue in business. Given the impressive list of imported C.B. gear in the press, this would be rather like locking the stable door, after the horse has gone legal. However, the

government does not think it will. In short, C.B. is gradually assuming the status of another form of consumer behaviour, like use of Space Invaders machines and playing with the video recorder in the High Street. We get the strong impression that licence holders will be left in peace, whatever they do, as long as it does not bother the neighbours. Complaints about TVI cause many an otherwise unflappable politician to go white, gasp and tremble, like any innocent hearing all that bad language on the Bad Mouth Channel.

Of course, if you get stopped on the motorway, assuming the M.1 has been stuck together with plastic gum again, and are found to have defective steering, bald tyres and a tendency to alcoholic breath, you could be hit even harder if you also have an illegal A.M. rig. There is no way of disguising the A.M. mobile, and, if you are caught, your best line is to say (as is usually the truth) that you keep it for road monitoring information. Don't try to pretend it's a legal F.M. rig if it's not. It's just too easy for them to know the difference, despite some comments that the Cops are Confused (they're not). Although it may be a rather hard way of handling the situation, it may be better to instal an F.M. rig, hold a

licence, and carry your A.M. in the boot for emergencies or situations where you can get no aid on the legal rig. If you stuffed your A.M. rig in a sports carrying bag, it's not too likely your car will be searched on a simple encounter with the Upholders of Law.

By the way, when you go to a Post Office for your C.B. licence, assuming that they are the handers-out of those parchments, don't speak too loudly. When asked for your name and address, hand over a piece of paper with both written on — many thefts seem to happen when someone happens to 'overhear' you have a rig. And the Post Office could become a useful intelligence service for the local break-in merchants, who note names and addresses given out by way of the breaker's brightest buy. It might be possible for 'C.B. News' or a national C.B. organization to hold records of rigs owned and their serial numbers, but putting such tempting info about anywhere can be asking for trouble. The fewer people, outside your circle of good buddy neighbours, that know you have C.B., the better. However, we could have a sort of C.B. equivalent of 'Police Five', listing details of rigs stolen, their serial numbers and so on. Given the possibilities of the present boom in C.B. thefts, a TV 'Police

Five' handling C.B. losses would need a whole new network. That might be one way of using ITV2. Finally, it does seem a pity that getting the legal licence will be so easy. It will not have the status of a Boy Scout badge for tying knots in outdoor antenna. Nor, for that matter, a CSE in Welding. The best approach for the Home Office, in popularising F.M., would be to show that Top People have F.M. — the leaders of society, opinion and glamour. They ought to insist on applicants having clean teeth, polished shoes and suits just back from the cleaners (let's face it, with those prices, you'll get taken to the cleaners, anyway). Maybe the licences could be officially presented to the legal breakers by Miss Shiela Tracy or some other eminent celebrity of the C.B. Entertainment World. With F.M., the old saying is true, 'it is better to travel hopefully, than to arrive'. Think of that next time B.R. lays on a train that's full, has no refreshments and comes late.

By the way, it's worth remembering that the government likes to put up licence fees. Except for dogs. As you know, dogs occupy a place in British society as did the cat to the ancient Egyptians. Still, you never know — they might figure a way of combining the C.B. licence with the dog licence. 934 MHz is certainly a dog's dinner.

PIRATING THE SHORTWAVE BANDS

by Peter Bunn, Australian Radio DX Club

Have you ever dreamed about setting up your very own broadcasting station?

What about the expense you say; the problems of gaining a broadcasting licence; all that equipment needed?

Well, some daring people in the US and Europe have for some years tried to cut the red tape surrounding the commercial broadcasting scene by setting up what they like to call "free radio", otherwise known as "pirate" radio.

Pirate stations are unlicensed and therefore illegal broadcasters, and these "backyard" stations are currently enjoying a boom in both the US and Europe, much to the annoyance of the authorities who must spend much time and effort in

tracking them down and putting them off the air.

The risks involved are great for pirate radio operators. Some would say that well known stateside pirate personalities like "Crazy Roger" and "Crazy Charlie" of the pirate "Radio Confusion" are aptly named!

Most of these back-yard broadcasters are active on frequencies outside the normal assigned shortwave broadcasting bands. This means they largely avoid interference from the signals of the international "big boys", the often government run or government financed shortwave stations which operate with hundreds of kilowatts of power to overseas listeners.

THE U.S. PIRATE SCENE

Most US pirates have a short life span, with the constant need to keep one step ahead of the government sleuths from the Federal Communications Commission (FCC), the US equivalent of our Department of Communications.

As in Australia, the US has severe penalties for illegal broadcasting activity.

US pirates are regularly being raided by the FCC, but many of the people behind these illegal stations will turn up a few months later under a new station title.

Frequencies used by US pirates on shortwave are usually in either the range above the 41 metre broadcasting band, from 7.3 to about 7.6 MHz or between 14 and 15 MHz. Some activity takes place just above the 49 metre broadcast band, between 6.2 and about 6.5 MHz, but this area seems more the preserve of the European pirates.

Many of the US pirate stations have a distinctly "underground" style of programming. Some carry alternate rock music which lacks an outlet on mainstream US commercial radio. Other pirates put a strong emphasis on comedy, with send-ups of well-known media or political personalities.

The pirate station "Radio Liberation" was one of these comedy broadcasters, with one programme called "The Pol Pot Exile Show"! Another is Radio Confusion, which likes to send up those souther US bible-belt preachers, especially in their programme "The Dean Bean Bible Scene".

Being illegal, the pirates in the US are non-commercial. Often pirates will promote themselves as "commercial-free radio" for novelty value. In the US, such stations are a rarity among the mainstream, legal stations.

Pirates will sometimes try to cash in on their illegal status.

One well known east coast pirate of a couple of years ago, "Voice of the Voyager", would send out cards verifying listeners' reception reports with the note "The station everyone is trying to catch, but never will!"

The "Voyager", however, couldn't have travelled fast enough, and was finally tracked down by the FCC boys. Reception reports of the "Voyager" final transmissions were later verified with the usual card, but with "...but never will!" scratched out and replaced with "...and did!"

The FCC is pretty unforgiving, as the Voyager was brought to book a week after he voluntarily shut down his transmitter for the last time.

Equipment used by US pirates is mostly very basic, and often home-made. Transmitter power can be anything between 300 watts and a flea power 6 watts. Listeners (and the FCC) can therefore calculate the approximate location of most pirates without much difficulty.

Peak US pirate transmitting times are from 0100 to about 0400 GMT, on weekends, this being 8 to 11 pm east coast US time.

And who listens to these renegade broadcasters? Most pirates are hobby oriented, and rely on

publicity in the bulletins of the many DX listening clubs to gain a listener following.

North American DX listening clubs (for people interested in receiving distant shortwave broadcasting stations) are very large, some with well over 2000 members. A call from a budding pirate broadcaster to the editor of a DX bulletin can result in a fairly sizeable audience for the new "station". By contacting the DX clubs, the members of which are active listeners to the shortwave bands, a pirate operator can gain some degree of notoriety.

Many DX club bulletins have tended over the last couple of years to give over large chunks of their columns to news of pirate radio activity. Unfortunately, some often bogus reports find their way into these bulletins, reporting apparently imminent transmissions from stations with names like "Radio Hot Chocolate" and the equally improbable "Voice of the Tibetan Housewives"!

Any list of US pirate stations is bound to be out of date well before such information can get into print. Some pirates are a weekend to weekend proposition! However, we can list here some of the more long-running and active pirates operating out of the US.

The pirate "Voice of Cliperton", operating out of Alameda in California is unusual in that it has been using 21750 MHz, on the top edge of the standard 13 metre international broadcasting band. "Cliperton" announces that it uses a 100 watt transmitter, and this is probably right as its signal has been heard as far away as the US east coast, and in Auckland, New Zealand.

Theoretically, it should also make it to the Australian east coast. "Cliperton" is usually active around 0100GMT. The station could be described as one of the more sane stateside pirates, with programming mostly being old-time radio shows, straight newscasts, or listening tips for DXers and SWLers.

The word "sane" does not come to mind when trying to describe the fairly long-running "Radio Confusion", the home of Crazy Roger and Crazy Charlie. These two gents are most probably responsible for the pirate newcomer "Syncom 48", as both Confusion and Syncom operate out of the one address in Wescosville, Pennsylvania.

Radio Confusion carried out test broadcasts to Europe late last year, on Sundays at around 2000GMT on about 139990 kHz. Confusion also often has Sunday evening broadcasts for the US east coast on about 7550 kHz after 0100 GMT.

Meanwhile, Syncom 48 also likes to operate on Sunday evenings, usually at about 0500, on a selection of frequencies in the ranges of 6.2-6.5 MHz, and 7.3-7.5 MHz. Times and frequencies must always be listed as very approximate!

Also active over a fair length of time recently has been "Voice of the Pyramids", located in Indiana. Most common broadcast time is 1900-2200 GMT just above 15 MHz. They claim to use a 100 watt transmitter, and are seeking European listeners. A probable relative of "Pyramids" is "Radio Indiana", which during 1980 often carried out Sunday night broadcasts around 0400 GMT on either 7360 or 6990 kHz.

THE EUROPEAN SCENE

Pirate radio in both the UK and on the continent has a long history, connected to the free radio campaign. The pirate operations are often more professionally produced. Some can have the backing of business interests and operate fully fledged commercial operations.

Such stations as Radio Caroline and Radio Mi Amigo, or European Music Radio, have been long-time operators and have a large following among European radio enthusiasts. During 1980, however, Radio Caroline, probably the best known among the European

pirates at the time, was silenced when a storm in the North Sea sent the ship from which it transmitted to a watery grave.

The Caroline operation was the last in a long time of pirate stations operating "off shore" in the North Sea, succeeding such ships as "Radio England", "Britain Radio" and "Radio Nordses".

Armed with international business finance, Radio Caroline hopes to return to the airwaves soon, with a new and bigger ship carrying a higher power transmitter. The Panama-registered converted freighter should be launched into the North Sea soon, and Caroline will probably operate somewhere near the lower end of the medium-wave band.

The whole Caroline project will probably cost something like one million pounds sterling by the time the first transmission goes to air. The operation will be 24 hours, with commercials. Caroline will have advertising offices in New York, and will be subject to US tax laws.

In contrast to the big business atmosphere of pirate mediumwave radio in Europe, there are also many "back-yard" operators on the shortwave part of the spectrum.

European shortwave pirates typically like to operate on Sunday mornings, in the range from 6.2 to 6.5 MHz, and a few operators in the range 7.3 to 7.5 MHz.

Again, as in the US, one operator may be responsible for several pirate stations, and the same frequency can be used for one station on one Sunday morning, and a different station but from the same transmitter and location on the following weekend.

It is no coincidence that two of the longest running stations on shortwave, Empire Radio and European Music Radio, both operate out of the same postal address in Norwell, Nottinghamshire.

Empire generally uses frequencies of 6235 and 7325, while European

Music Radio generally is reported on 6250 and 7325. Empire Radio usually operates the second Sunday morning each month, but European Music Radio has recently been shut down voluntarily by the operator.

Pirate activity in Scotland has been of particular note recently, especially as several of these pirates have been heard on the US coast. These include Radio Woodstock, broadcasting out of an address in Falkirk on about 7365 kHz, and Weekend Music Radio, a newcomer to the airwaves which hopes to broadcast every alternate Sunday morning GMT, on a frequency between 6260 and 6300 kHz.

Holland used to be a hot-bed of pirate radio activity, but on shortwave the pickings are lean at present.

Radio Verona, which had not been active for some four years, has been reported again on 6275, broadcasting out of Raalte. Verona has a Raalte stable-mate, Radio Koraalvisser, making infrequent Sunday outings also on 6275.

Finland has great potential in the pirate broadcasting field. There are dozens of stations with the technical gear to transmit in the range 6.2 to 6.5 MHz. But 1980 was a bad year for the Finnish pirates, with at least a half dozen being raided by the Finnish telecom authorities. With the prospect of heavy fines hanging over those pirates caught in the act, other stations seem reluctant to take the plunge onto the airwaves these days.

Some of the Finnish stations have some great titles, such as "Swine Radio" or "Radio Baader-Meinhof Experience" which despite its title is a rather tame run-of-the-mill pop music broadcaster.

The only pirate of note in Italy is the one with the very grandiose title of the "Italian Broadcasting Corporation". This one is unique in that the programmes are produced not by some daring individual

under cover, but by various DX listening clubs, the most prominent club being Play-DX of Milan. Programmes are therefore by and for DXers.

The station is often heard in northern Europe during its Sunday broadcasts on 6275 between 0400 and 1000. Their transmitter power is reported to be about 100 watts.

Pirate broadcasting in Ireland must be put into a category all by itself. For one thing, the many unofficial stations established in recent years cannot really be called "pirates" in the usual sense, as the Irish Republic has no laws which forbid this sort of broadcasting. So what is a pirate elsewhere is merely an "unofficial" station in the land of the blarney stone!

Without legal hassles to hold them back, there are dozens of these "not legal, but not illegal" broadcasters in Ireland operating regularly on both mediumwave and on shortwave. Most have well-publicised addresses, and often carry commercials.

The situation reached the realms of high farce recently, when the Irish Army decided that it would advertise not on the official state-owned Radio Telefis Eireann, but instead on the pirate "Radio Dublin". When quizzed on why it chose to put its recruiting advertisements on a non-legal station, a somewhat embarrassed Army spokesman stated that audience surveys indicated more potential recruits listened to Radio Dublin than to the official state-financed corporation Radio Telefis Eireann (RTE)!

Meanwhile, the official Irish airline, Aer Lingus, has chosen to advertise on the pirate Sunshine Radio, for much the same sort of reasons.

No word has so far been heard from the Irish Navy, but they just might have a natural distrust of "pirates"!

The Irish government has been "thinking" about introducing legislation aimed at these unofficial/

pirate/not-illegal/renegead broadcasters for some time. But any anti-pirate moves have gone no further, and at present are unlikely to.

Some stations, especially on mediumwave, are very localised, and often feature coverage of local government events and personalities. District officials who thus gain a mouthpiece would be unlikely to support any legislation aimed at shutting the local pirate operator down.

At last count Ireland had about 50 commercial pirate stations on mediumwave, and about a dozen on shortwave. Probably the most notable on shortwave are the aforementioned Radio Dublin which uses 6317 daily, Westside Radio on 6280 mostly on weekends, and Radio Condor on 6243 on weekends. The earlier mentioned commercial pirate, Sunshine Radio, operates on mediumwave only, at 531 kHz.

Both Radio Dublin and Radio Condor operate quite high power. Both are reported regularly by North American listeners, and on rare occasions by listeners as far afield as New Zealand.

No receptions have so far been reported from Australia however, probably because the final signal "hop" on the long-path reception route via the Americas and the Pacific during our late afternoons is just not strong enough to make the signal audible above normal atmospheric noise levels.

If either Radio Dublin or Radio Condor are going to be heard in Australia, then probably they will be received in either Queensland or northern NSW, as the signal will have a shorter route to cover than is the case for locations further south and west.

If you strike it lucky late one afternoon and hear either Radio Dublin or Radio Condor, then you might like to write reporting your reception. Radio Dublin's address is simply Radio Dublin, Dublin 8. Radio Condor is at 53 Charleston Road, Dublin 6, which is also the postal address for several other,

less significant Irish pirates operating on both shortwave and mediumwave.

PIRATES DOWN UNDER

Finally a brief word about the pirate broadcasting scene in Australia. CBers are of course aware of the large number of pirates operating on or around the legal CB channels. This sort of pirate is a left over from the fight for the legalisation of CB (remember, before that all CBers were pirates!).

Equipment is invariably a conventional CB or amateur radio, with the CBs often fitted with extra channels. Operations are usually nothing more than the usual contacts that licenced CBers indulge in, although there have been cases of guys playing music and working up a little routine to go along with it.

The only true Australian 'pirate' broadcaster on the shortwave band is radio station CBN ("Clandistine Broadcasting Network"). Radio CBN made several brief appearances during 1979 using several frequencies around 26 and 27 MHz, and was heard well in the Sydney area.

Later that same year the guy (or guys) behind CBN carried out brief tests on the FM broadcast band, apparently operating mobile in the Mount Gambier area in South Australia. After this the station fell silent, and attempts to obtain a QSL card from the address given on the air earned a "not known at this address" stamp.

In the last few weeks the station has again been heard in the Sydney area, transmitting around 7350 kHz. The Sunday morning broadcasts are around 10 am local time, while the station has also been picked up Tuesday nights after 8 p.m.

If you want to catch this station you'll have to be fast. You can lay good money that DOC will be after them, too!

Reproduced from CB Action Australia.

C.B. News Jamboree

This sensational weekend has been arranged for you by

CB NEWS

in
association
with

PONTIN'S

YOUR LAST CHANCE TO BOOK!!!

When

Hi there good buddies! I sure hope y'all got your ears on 'cause I'm gonna lay some good numbers on all you CBers 'bout this super CB News Jamboree. This is your big chance to eyeball all your fellow breakers from North to South at our big 10-20, PONTIN'S Holiday Village, Tower Beach, Prestatyn in North Wales.

The CB News Travel Service has really gone to town to make certain this weekend is a four for sure. You'll have the chance to eyeball with state-side Ace Al Gross — the Daddy of CB, see all-action movies like CONVOY and SMOKEY AND THE BANDIT, check out all the latest CB gear, rigs n' twigs, info for you rubber banders, lots of good ol' Country sounds and Rockin' n' Rollin' plus so much dancin' to our guest DJs that you're gonna be glad to hit the hay in your own modern chalet. Don't get too tired tho', there's lots of competitions and hundreds of £££s worth of prizes to be won.

So all you breakers n' lady breakers get in your Big Wheels and Roller Skates with the kids (yep... there's even a special 'Junior CBers' programme!) and hit those super slabs with your pedal to the metal — it's gonna be great!

Here's wishing you big eights from Sweeney Todd and the CB News-mobile — we're down n' gone 10-10!

The holiday commences at 4.00 pm on Friday 23rd October, 1981 and ends at noon on Monday 26th October — a full three day weekend of C.B. fun. Persons wishing to stay for a shorter period may, of course, do so but we regret we cannot allow any discounts for a shorter stay.

Where

At Pontin's super Holiday Village at Tower Beach, Prestatyn, North Wales. For those travelling by car, parking is free, if you arrive by rail then there is a special free coach service between Prestatyn Railway Station and Pontin's Holiday Village.



Enjoying a meal in one of the chalets

What

The C.B. News Jamboree is a whole weekend of C.B. action, that's what! The holiday price is inclusive of your accommodation and all your entertainment, and the entertainment alone represents an incredible bargain. Just think, a whole weekend of C.B. movies — free. Nightly discos — free, shows by big-name

stars plus all competitions and activities arranged just for you by our experienced staff — all free! Add to this the free use of the indoor heated pool, the snooker and billiards, table tennis etc., and you've got a whole action-packed weekend of fun. And this holiday isn't just for the 'kids' — it's great for the 'old 'uns' as well. Do as much or as little as you please. You'll love it.

Accommodation available

Two types of chalet apartments are available (see below for layout plans). Both have a lounge-bedroom fully furnished with a convertible double bed/settee, dining table, chairs, a colour T.V., etc., an adjacent kitchenette complete with cooker, fridge, sink unit with all necessary cooking and dining utensils and storage cupboards. Adjoining the kitchen you'll have your own private bathroom/toilet and, depending on which apartment you choose, you'll have either one or two bedrooms — with two single beds or bunk-beds for the kids. If it gets 'nippy' then there are electric heaters which are coin-metered for your economy and convenience.

This special holiday offer is based on 'Self-catering' but there's no need for you to do all the cooking. You can leave that to us as there's a spacious cafeteria serving a choice of piping hot meals and tasty snacks. And for those of you who will cater independently then we have a well-stocked supermarket on site — so there are no tiring shopping trips to worry about.

Cost

This C.B. News Jamboree is undoubtedly a budget bargain — costing as little as just £19.95 plus VAT per person inclusive of your accommodation, entertainment and use of all facilities for the three days.

The reservations are handled on a 'per apartment' basis with the prices as detailed below.

Apartment A5B

For 1 person	£39.95 per person
" 2 persons	£29.95 " "
" 3 persons	£24.95 " "
" 4 persons	£21.95 " "

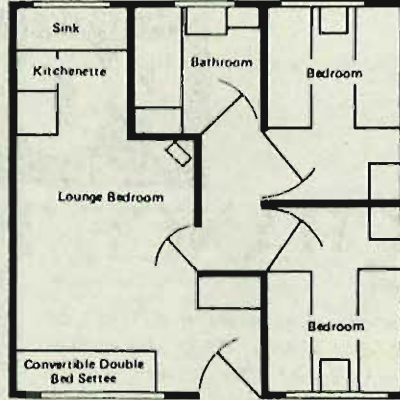
Apartment A5

For 4 persons	£22.95 per person
" 5 persons	£20.95 " "
" 6 persons	£19.95 " "

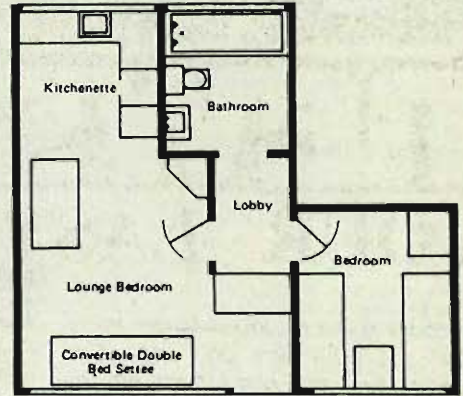
All prices exclusive of V.A.T.

The already low cost of this holiday restricts us from being able to offer further discounts for children, although infants under two years old will be accommodated free of charge.

For persons booking alone but who would like to room with another CBER of the same sex, we have arranged a special 'Room-mate Service'. This will be restricted to 2 persons per apartment. Just complete the special section of the Reservation Form accordingly and we'll share you with someone of similar age and will advise you of your 'room-mate's' name and address long in advance of the holiday.



A5 For 4, 5 or 6 persons



A5B For up to 4 persons

C.B. News Jamboree.

RESERVATION FORM

Where? At Pontin's Holiday Village, Tower Beach, Prestatyn North Wales	When? Friday, 23rd October to Monday, 26th October, 1981	How? Send this form together with the correct deposit of £5.00 per person to: C.B. News Travel Service, P.O. Box 9, Felixstowe, Suffolk. Cheques and Postal Orders should be made payable to C.B. News Travel Service.
PLEASE COMPLETE IN BLOCK LETTERS ALL INFORMATION REQUIRED Signatures are required by each person aged over 16 years		
SURNAME INITIAL ADDRESS		
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ROOM-MATE SERVICE: SURNAME _____ ADDRESS _____ SIGNATURE _____	Mr. Mrs. Miss Age if under 26	TELEPHONE NO: HOME WORK
	age	A5B

PLEASE NOTE

If any member of your party suffers from any physical or mental disability or disorder, details of such disability or disorder must be given on booking, together with a statement as to whether or not he or she will be accompanied by a person/persons competent to attend to his or her needs, as some of our villages may be unsuitable for such persons.

INFANT COTS
 Please state number of cots required in box:

In the event of accommodation required being fully booked please tick if an alternative is acceptable. Yes No

Please reserve accommodation for the above named persons. I/We enclose a cheque/postal order for the total deposit of £.....
 I/We the persons named above have read and accept the conditions of booking as set out overleaf and accept the charges for the accommodation as described in the tariff. I/We understand that V.A.T. will be added to the account and agree to pay the balance including V.A.T. 28 CLEAR DAYS BEFORE THE HOLIDAY IS DUE TO COMMENCE.

PLEASE ENSURE THAT YOU HAVE GIVEN ALL INFORMATION AND SIGNATURES REQUIRED AS FURTHER CORRESPONDENCE WILL CAUSE DELAY IN ACCEPTANCE OF YOUR BOOKING.

Booking Conditions and Information

Deposits

A deposit of £5.00 per person is to be paid at the time of booking. An official acknowledgement will be sent for each deposit and no booking exists until this has been despatched. The payment of a deposit and the balance of the cost of the holiday as required under these conditions shall be a condition precedent to the enforceability of any of the obligations of the Company or the operating or managing company. Should accommodation required not be available when the deposit and application form are received the deposit will be refunded in full. Bookings cannot be accepted from young persons under 16 years unaccompanied by a parent or guardian. Bookings can be accepted from persons aged 16 and 17 unaccompanied by a parent or guardian provided the parent's/guardian's written permission is enclosed with this Reservation Form.

Payment of Balance

For all bookings the balance of account, including V.A.T. must arrive at the Travel Service office twenty-eight clear days before the commencement of the holiday.

It is understood that if the operational costs of the Company in relation to providing the holiday, or accommodation, or food or amenities increase due to circumstances beyond the Company's control then the Company may add a surcharge to the cost of the holiday in relation to each person for whom a booking is made and that such additional cost will be paid by the persons booking whether or not they have already paid the full

INSURANCE FOR YOUR PROTECTION

Pontins have arranged at no extra charge, inclusive holiday insurance cover with the Guardian Royal Exchange Assurance Limited, for every person booking a Pontin holiday in Great Britain (including Jersey).

The Policy will cover:

1. Cancellation or Curtailment caused by death, injury, illness (including infectious or contagious diseases), strikes and redundancy.
2. Loss or Damage of Personal Luggage or Money.
3. Personal Accident.
4. Personal Liabilities.

A leaflet giving all the terms and conditions of the cover will be sent to you when we acknowledge receipt of your deposit.

cost of the holiday shown on the tariff. Any such surcharge will be notified in due course. However no surcharges will be introduced unless absolutely necessary.

Pontin Holiday and Social Club

At each Pontin Centre or Hotel will be found a Holiday Club, membership of which is essential to enable guests to participate in its many facilities.

The persons named overleaf request nomination for election as Members of the Club at the centre/hotel for the period of their holiday only. The Club Membership Fee is included in the tariff. Members are required to obtain a Pontin Club badge, which must be worn when purchasing alcoholic beverages. Children under the age of 18 are not permitted in licensed bars.

Linen

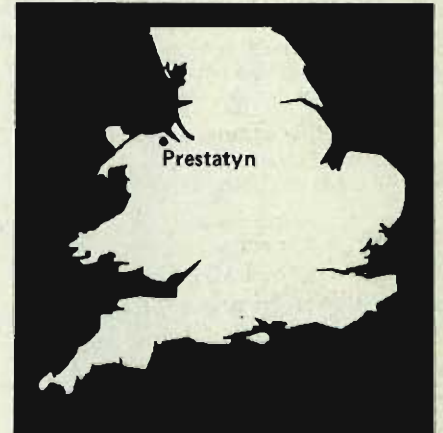
All bed-linen is provided. *Please bring your own towels and tea towels.*

Car Parking

Cars and other vehicles are accepted on the Company property at Owner's Risk and must be parked in the specified car parks and not on centre/hotel roads. This is to avoid the prevention of the free flow of traffic for essential services. Offending vehicles may be removed at the Company's discretion.

Village Shop

Each self-catering holiday village has its own shop where visitors can purchase their normal everyday requirements, including bread and milk. The manager will be pleased to attend to your advance grocery orders.



Conditions of Booking

All reservations are applied for and accepted subject to the following conditions.

The party shall be exactly as stated overleaf.

Unless permission for alteration has been given by Pontin's Limited (the Company which expression shall include any associated, managing or subsidiary Company) in writing, the accommodation shall be used only by the persons listed. The Company, shall not be liable to any person (including persons under the age of 18 years) whose name or names appear on the reservation form or their dependants for any personal injury (fatal or non-fatal) unless caused by the negligent act or omission of the Company, its employees or agents. Nor shall the Company be liable to any of the persons described above for any injury loss or damage to any property including motor vehicles, motor cycles, personal effects or luggage howsoever caused or sustained but it does not exclude liability for matters arising out of the negligent omission, or default of the Company or its employees or agents. The Company does not accept liability for the acts or omissions of anyone whom it does not directly control or who is not employed by the Company although it would endeavour to give reasonable assistance to any client who is in dispute with such a person.

The Company is relieved from liability, should the accommodation not be available due to circumstances beyond its control and the deposit and other monies paid will be refunded in full.

The Company shall use its best endeavours to ensure the availability of all amenities advertised in its Brochure or elsewhere. All information, pictures and descriptions published have been compiled from the most up to date and accurate information available at the time of going to press. It is published in good faith but does not constitute any other representation. The Company cannot accept responsibility for valuables. However, all centres/hotels have facilities for the safe deposit of money, articles of value, etc., and full details can be obtained from the Reception Offices.

Bookings are from 4 pm, on day of arrival to 10 am, on day of departure. Chalets/Rooms must be vacated by 10 am, on day of departure and guests will be required to pay for any damage caused to the accommodation or any articles provided by the Company and for any such articles lost or destroyed during the period of the reservation. The attention of all guests is drawn to the rules of individual holiday centres and in particular the following:

1. Children under 18 are not permitted in the licensed bars.
2. Children under 13 are not allowed in the Ballroom after 10 pm.
3. No noise is permitted in grounds or chalets/rooms after 11.30 pm.
4. Radios and record players are not allowed in the guest or public rooms.

Cancellation by the Company

The Company has a responsibility for the welfare of all its guests and therefore reserves the right to terminate the holiday of any person whose unreasonable conduct might impair the comfort or enjoyment of others. It also reserves the right to cancel or terminate a holiday booked where the guest has failed to disclose all material facts as required on the booking form. In these circumstances the Company shall not be under any liability to the person or persons involved and shall be discharged from further performance of its obligations. If cancelling before commencement of the holiday the Company will make a full refund (less the deposit) of monies paid; if after commencement the Company may at its discretion refund all or part of the holiday tariff but shall not be obliged to do so. For example, an amount may be retained for damage caused.

To prevent the spread of infectious or contagious diseases guests are required to advise the centre's management if any of their party have suffered from or have been in contact with others suffering from infectious or contagious diseases immediately prior to the holiday, in which event it is understood that the affected persons will agree to the cancellation of their booking and that on production of a Medical Certificate claims may be made under the Holiday Insurance Scheme (see Insurance Section).

Cancellation by the Client

Unless notice in writing of cancellation of reservation is received by the management not less than 28 days prior to the commencement of the reservation period, and if the Company is then unable to let the accommodation, the applicant(s) will be liable for 100% (Self-catering) of the amount of the current tariff quoted in respect of each reservation.

Notice of cancellation must be sent by registered post or recorded delivery. Ordinary post will not be regarded as proof of delivery.



ROAD MUSIC

(Double Album — Various Artists)
Teddy Bear - Red Sovine; Six days on the road - Dave Dudley; Girl on the billboard - Del Reeves; Passing Zone Blues - Coleman Wilson; Truck Driving Son of a Gun - Dave Dudley; Convoy - Tommy Hill Music Festival

Give me forty acres to turn this rig around - The Willis Brothers; White Knight - Tommy Hill Music Festival; Looking at the world through a windshield - Del Reeves; Giddyup go answer - Minnie Pearl; The Gearjammer and the Hobo - Red Sovine; Truck Drivin' Queen - Moore and Napier

Giddyup go - Red Sovine; Endless black ribbon - Tiny Harris; C.B. Savage - Rod Hart; Truck drivin' man - Jimmy Martin; Overloaded diesel - Jimmy Griggs; Pinball machine - Lonnie Irving

Phantom 309 - Red Sovine; Truck Drivers' Prayer - Red Sovine; How fast them trucks can go - Claude Gray; Widowmaker - Jimmy Martin; Little Joe - Red Sovine; Freightliner fever - Red Sovine

Price — £6.00

ROADRUNNER

Truck drivin' son of a gun - Dave Dudley; Tie a yellow ribbon round the old oak tree - Johnny Carter; The bridge washed out - Warner Mac; King of the open road - Red Sovine; Kansas City - Wilbert Harrison; How far to little rock - Stanley Brothers

White Knight - Tommy Hills Music Festival; Endless black ribbon - Tiny Harris; Away out on the mountains - Billy Walker; Giddyup go answer - Minnie Pearl

Price — £4.00

SUPER SLAB HITS

Teddy Bear - Red Sovine; A dime at a time - Del Reeves; Give me forty acres - The Willis Brothers; Wolverton Mountain - Claude King; Six days on the road - Dave Dudley; Convoy - Tommy Hill Music Festival; Country Roads - Nashville Harmonica; Sittin' in an all night cafe - Warner Mack; Pinball machine - Lonnie Irving; Honky tonk - Bill Doggett

Price — £4.00

THE BEST OF RED SOVINE

Phantom 309; I know you're married (but I love you still); Giddyup go; Satisfied mind; Freightliner fever

Little Rosa; I'm the man; Why baby why; I didn't jump the fence; One is a lonely number

Price — £4.00

OVERLOADED DIESEL

Truck drivers blues - Ernie Hoppe; Endless black ribbon - Tiny Harris; The only shoulder a trucker can cry on - Claude Merritt; Eighteen wheels a hummin', home sweet home - Jim Fagin; New York City, New York - Earl Scott; Double clutchin' truck line - Tiny Harris

Don't let your deal go down - Benny Martin; Truck stop cafe - Steve Cameron; I'm movin' on - Pam Gilbert; Midnight Cowboy - Calhoun Twins; Overloaded diesel - Jimmy Griggs; Bus drivin' son of one - Bobby Hodge

Price — £4.00

The Truck Drivers' Album Catalogue from Nashville

— Music City U.S.A. —

16 GREATEST TRUCK DRIVER HITS

How fast them trucks can go - Claude Gray; Give me forty acres - The Willis Brothers; Woman behind the man behind the wheel - Red Sovine; Gear Shiftin' - Pete Drake; Widow maker - Jimmy Martin; Rollin' on rubber wheels - The Stanley Brothers; Tombstone every mile - Charlie Moore; Truck drivin' man - Hylo Brown

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