

NOVEMBER ISSUE 1982

REAL CB
BY
REAL CB'ers

BREAKER ON THE SIDE.....

17461

CLUB NEWS
NOT JUST A
NAME

WHAT YOU
THINK
YOUR VIEWS

70P

*YOUR CITIZENS
BAND MAGAZINE*

WIN A RIG

RIG REVIEWS

ALL YOU NEED
TO KNOW IN C.B.

UK FM
AM
SSB
DXing
QSL

WIN A
FIVER



EDITORIAL

WAKE UP THE DEAD

What do you want to say about C.B.? – SAY IT THROUGH US.

We can't help the price of a stamp but it is really easy for the average person to put a pen to paper. The guy next to you may pour a pint over your head every time you open your mouth, well we listen and over 100,000 thumb the pages of B.O.T.S. each month.

What is your club doing? – IS YOUR CLUB BEST?

We give half of our supplement to Club News for you to tell everyone about your club. It's more than just a name and address. We even give club full reports.

What are you doing in C.B.? – SET AN EXAMPLE AND LET OTHERS KNOW.

WHAT DO YOU THINK – WHAT IS YOUR POINT OF VIEW?

Pick up a copy and have a break instead of breaking for a copy.

Breaker on the Side is YOUR CITIZEN'S BAND MAGAZINE and that is our policy. We are here for you, the C.B.ers news and views. U.K. F.M. or F.C.C. it doesn't matter we are C.B. Can your knowledge help others, do you need some help, can our readers help you?

HERE IS WISHING US HAPPY BIRTHDAY WITH OUR THIRD VOLUME and to celebrate with us we offer you a super competition to win a NATO rig.

Breaker Break

Peter G.

CB CLUB NEWS

RIG-N-TWIG BREAKERS CLUB

c/o Cobdens Place, Hillgate, Stockport

I would like to know if our breakers club could be included in your directory. We are a new breakers club which opened in early 82 and we have well over 300 breakers both AM and FM. We meet every Sunday night at Cobdens nightspot and everyone over 18 is most welcome. Joining is £1 and 40p every time after or 60p to visit.

We would like other clubs especially in the North-West who are interested in exchange visits and arranged mass eyeballs to get in touch with the club and we can make arrangements or any other clubs who would like to write to us with any ideas that you think might interest our club, we would be glad to hear from you.

Before I throw you all the high numbers we would like to thank John the owner of Cobdens and Stockport CB Centre for all their help in getting the club off the ground and also the Stockport CB Centre for the discount they give the club on everything we buy.

Hope to see or hear from you soon.

Highland Laddie (Vice-treasurer)

T.H.A.M.E.S.

c/o 39 Mount Pleasant Road, Lewisham, London, SE13 6RD. 01-690-2954

It is with much regret that The Directors of T.H.A.M.E.S. have received the resignations of Mr. George Mark (Sticks) Delta 1 due to personal reasons, also of Mr. John Coyle (Tough Stuff) Delta II, owing to other commitments.

George Mark has been succeeded by Norman Raven formerly Delta III and John Coyle by Mrs. Marlene Bugden formerly Director of Admin and Linked Services.

The remaining Directors wish to express their thanks for the outstanding services by both George and John and know that both will continue to support T.H.A.M.E.S. and monitor channel 9. In view of George's contribution to C.B. Radio Monitoring, the Directors of T.H.A.M.E.S. have offered, and George has accepted the position of Life Honorary President.

Delta 1, Norman Raven

N.W. ANGLESEY D.X. CLUB

c/o 22 Alderley Terrace, Holyhead, Anglesey, LL65 1NL

I am in the process of starting "believe it or not" an F.M. D.X. Club to be known as the North West Anglesey D.X. Club. I have by leaving A.M. and joining the fast growing F.M. breakers found copies up to sixty two miles away in Ireland and have now decided to form a get together group, no fee's, meeting in the R.A.O.B Club in Holyhead every other Tuesday. All F.M. breakers welcome and any A.M. breakers who want to be converted.

Knitwit (Organiser)

G.B. ALERT

c/o 19 Red Lane, Brightmet, Bolton, BL2 5BL 061-643-7696

Just thought I'd send you this little piece about a new monitoring service which will shortly be starting in the Bolton area. Hope you will be able to find room for it in your mag.

G.B. Alert is a new monitoring service which will be opening its first branch in the Bolton area. Unlike most monitoring services G.B. Alert will be run by fully trained, paid monitors and operated 24 hours a day from a central office. Its aims will be to provide an efficient emergency and information service on U.K. C.B. channels 9 and 19.

The information service will mainly be run on channel 19 where once every hour comprehensive road, weather and traffic information will be broadcast. G.B. Alert will be in constant contact with the Police, AA, RAC and Weather Information Centre to ensure that information broadcasts will be accurate and up to date. Anyone requiring assistance, directions, info or simply wishing to report any hold ups (road works, traffic lights out of order etc.) will be able to contact G.B. Alert on channel 19.

Channel 9 will be used for emergencies. As previously mentioned, Alert will be run by trained monitors who will know how to deal efficiently with any emergency, be it a traffic accident or simply a dog being run over you will be sure of receiving the correct assistance. No matter what day of the week or what time of day there will always be someone to help with your problem.

G.B. Alert will be operating initially for a trial period of 12 months. It will be there to help you so help it to work by using channel 9 and 19 correctly, remember, C.B. when used correctly can save lives, it could save yours.

Well that's about all the information I have at this time but I will let you know as soon as I have found out the dates when Alert will start to operate.

For information write or phone the above address.

Sex Kitten

BRISTOL CHANNEL RADIO CLUB

c/o Post Office Box 14, Barry, South Wales, U.K.

The Bristol Channel Radio Club meet every Wednesday evening at 7.30 p.m. at the R.A.O.B. Club, Broad Street, Barry. Recently we had over a hundred breakers here with us for a whole day from across the channel from clubs in the Weston Super Mare and Bridgewater areas, and a grand eyeball was had by all with refreshments provided by the host club. Membership is open to licenced breakers aged eighteen years and over. We extend a hearty welcome to all breakers visiting Wales, to visit us on meeting nights, and indeed we often are visited by breakers from afar staying at our holiday resort at Barry Island which is only about one mile from our meeting place.

Two weeks ago several breakers holidaying at the local Butlins camp from Chesham, Bucks, spent an evening with us.

We have to date, given two donations to that deserving charity, The South Atlantic Fund.

Roy Jones (Big Daddy) P.R.O.

KCB

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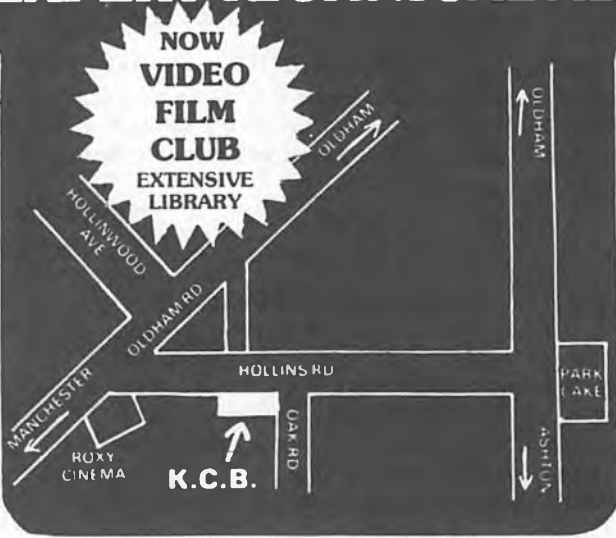
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GLOBE BREAKERS

c/o 13 Fairway, Wallbank, Whitworth, Rochdale

We just formed a new breakers club: The Globe Breakers F.M. We have our eyeballs at the Globe Hotel on Whitworth Rd. on the first and third Tuesdays, 8.00pm, as from 3rd August. We hope soon to run a Junior Breakers Club in the near future.

Anyone who is interested, phone Rochdale 343391.

L. Davis

ECHO SSB RADIO CLUB UK

c/o P.O. Box 69, Walsall, WS3 4JE

QSK all good SSB operators. The One Echo SSB Radio Club has now nearly filled its membership, but a postal membership is now in operation for operators outside of the Midlands.

Membership costs £6 including postage. The membership package contains, membership certificate and membership card, 10 QSL cards, 10 QSL certificates, Memo pad and Rubber Stamp.

Application forms available from above address.

73's & 51's to all, happy DX, Chow.

B. G. Cockfield, Treasurer

N.W. ANGLESEY F.M. DX CLUB

I am writing to inform you that the above club is now being formed in Holyhead. All breakers are welcome with a view to trying D.X.ing on F.M. There are no fees in this club, and it is held every other Tuesday at 9pm in the R.A.O.B. club in Cambria Street, Holyhead. Visitors to Anglesey are very welcome to come along and share the news with us.

Knitwit (Organiser) Checkout

UNIQUE BREAKERS CLUB

c/o 2 Hall Avenue, Leek, Staffs. ST13 6BU

Just a few lines to tell you about our club. We are called "The Unique Breakers Club of Leek". We meet at the "Unicorn Hotel" in Leek which is on the corner of St. Edward Street and Broad Street. We meet in the upstairs room every other Thursday. Membership is £2 per annum. Members guests and non members 35p. We do fund raising events for charity and have already raised £80 for the "Hayley Watson Fund". All local "Good Buddies" are welcome, and we look forward to seeing them. Our breaking channel is "14".

"10-10" from,

Richard Martin (Secretary)

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ANCHOLME BREAKERS CLUB

c/o 29 Chapel Road, Broughton, Brigg, S. Humbs.

We are a newly formed club with 103 members so far. We are a club for all breakers and aim for more friendship and co-operation between AM and FM.

We are planning various outings and activities and would be especially interested in hearing from any other clubs in our area with a view to inter-club meetings and sports challenges.

We meet on alternate Thursdays at 8pm at the Ancholme Inn in Brigg and visitors are always welcome.

All the high numbers.

Murray-Mint (Secretary)

C.R.E.W.

c/o 13 Heol Ceiriog, Wattstown, Rhondda, Mid Glam, S. Wales

On behalf of all our members I am writing to you to explain about C.R.E.W.

Citizens, Rescue, Emergency, Watch consists of a large number of breakers voluntarily giving up their own time to help others, whether they are breakers or non-breakers.

The objective of our team is to monitor channels 14 and 9 for any 10-33s, 34s or 46s and then to carry out the necessary action.

The monitoring is carried out by a team of monitors who work around the clock using a rota system.

They pick up the emergency calls and relay the information to the A.C. (area controller) who at the moment is Six String, or they call for the head monitor.

The mobile members of the team are then informed of the situation and are given all the details, they then carry out any action needed.

The mobiles are all numbered i.e. (M1, M2, M3) etc so their progress and location can be co-ordinated on a street map, by a central or case controller.

We try to work close with the community, our P.R.O. is Desperate Dan who at the moment is doing a great job.

Our team will try to react to all emergencies such as missing persons, fires, car breakdowns and many more.

Members of our team are also willing to help any breakers set up their rigs and twigs or any other problems.

We are hoping to have a disco soon, and then to take part in some sponsored events.

We operate in the Rhondda Valley area so if you're in trouble in our area, give a C.R.E.W. member a shout on FM or AM on 14 and you're sure to be aided promptly.

Well that's us explained so it's time to go. So break from Six String (A.C.) Fisherman (M2) Barbican (Head Controller) and Desperate Dan (P.R.O.), and last but not least myself.

So this is Red Devil saying take care cos C.R.E.W. cares.

We gone, you gone, we all gone.

If any local breaking clubs are interested in games night, please contact Toothbrush at the same address.

Red Devil (Secretary)

SILVER CITY C.B. CLUB

A few lines to let you know about our club. It was formed in February 1982 and still growing. The membership is £3.50 which is a £1 for the C.B. club membership and £2.50 to join Sturry Court club which may seem dear but it's quite cheap really. Being a member of the Court club you have free disco's and different activities all through the week.

All the members really enjoy themselves. It's a A.M. F.M. S.S.B. club. We have quite a lot of breakers joining from far afield because they have heard about us. Everybody joins in everything that's going. We are all game for a laugh. Our C.B. meet is every Thursday evening.

Mogs (Social Secretary) Little Dove (Committee Member)

THE COUNTY BREAKERS CLUB

The C.B.C. was formed six months ago as an optional F.M. breakers club as a lot of clubs, or I should say their members thought it so-called (cissy) to go F.M. Our membership went up to 50+ then started dropping. After asking around it came to my notice we were losing members to other clubs because they had P.O. Boxes and Q.S.L. bric-a-brac. We have now a P.O. Box in conjunction with the ABC DX club. This band of dedicated sidebanders came to our rescue (please give them a mention).

We have also changed our venue. We now meet at the Plough Inn, Rice Lane, Liverpool 9, opposite Walton Hospital every Thursday at 8.00pm, membership £2.00 plus 25p subs. Visitors 40p. We have our own private meeting room with bar.

Just a word about planks, one of our members won a "Laughing Bag" in the raffle of the week. He found to his and other good buddies that, if having trouble with bucketmouths place "Laughing Bag" near mike and switch on. They don't like getting laughed at.

Anyhow thanks for a great mag. When passing through the Walton 20 of Bird City, please shout out for Noseypoke. All the best T.C.C.W.C.

Our DX section is The Foxtrot Mikes, P.O. Box 84, Liverpool.

Phil F.M. 903 (P.R.O.)

LIMA BRAVO C.B. CLUB

c/o Leeds Hotel, Bishopton Road, Stockton-on-Tees, Cleveland

I would like the following news concerning our club printed in your magazine.

We are called The Lima Bravo Citizen Band Club, we have a meeting every other Monday evening from 8 o'clock till 10.30 p.m., and on one Monday evening every month, we have what we call an 'eyeball evening' on that night members of the club pay 30p and any guests 50p.

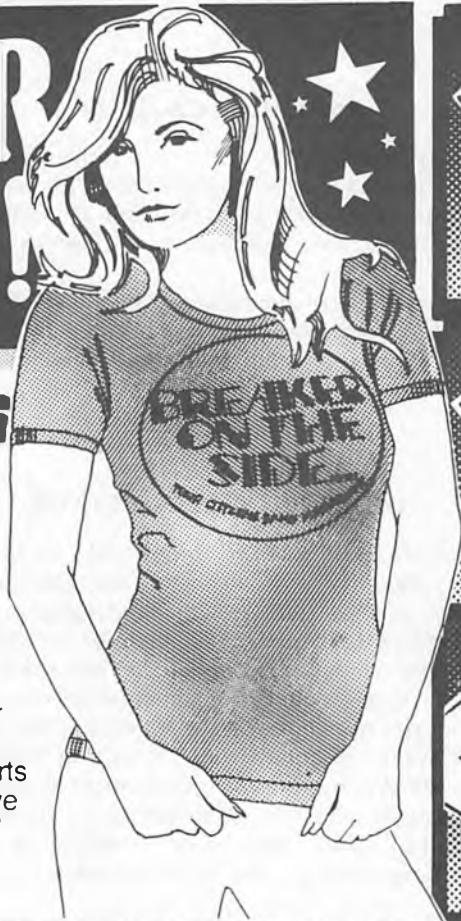
We also have regular Fox Hunts and Disco Nights too which anybody who is interested is very welcome.

K. A. Parker (Blue Oyster) Secretary

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Back Cover: QSL with B.O.T.S.

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and Q.S.L.'s included please write to us
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**MAKE IT YOUR MAGAZINE BY
MAKING YOUR POINT OF VIEW
MADE KNOW THROUGH US.**

KEEP CONTACT - BRING IT IN!!!

**It is the policy of the publishers of Breaker
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or possession of non-British specification
C.B. equipment, nor do we intend to
encourage such illegal activities.**

**BRITAIN: 27MHz F.M. or 934 MHz F.M.
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Dear BOTS

I would like to take this opportunity to let you know about one of the activities to be pursued by a group of Enthusiastic Breakers in the North West, on behalf of Breakers Nationwide.

On Wednesday 8th September, four breakers from Runcorn will set out with F.M. handsets on a unique sponsored event. A week long hitch-hike around Britain, with the use of CBs to call their lifts.

Their aim will be to cover as many miles, eyeballs, towns and cities as possible in that week, collecting donations on route, which will go to their chosen charity.

They hope to raise enough to buy as many rigs, twigs etc. as possible, which will furnish disabled homes and clubs throughout Britain.

We sincerely hope this letter will be printed, but more so we hope all breakers throughout Britain will support these good buddies, when they are in or around their 20s.

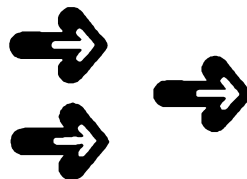
10-10 for now.

*D. Laird
(Liquidator), Boom City*

Dear BOTS

I am just writing in to say something about these people who are fighting for a better CB system than what's on 27AM on the midband. I don't think so, all they want really is for the 27 sideband to be made legal. It would be great if it was, but I reckon that a decent sideband set costing say £160 would double or treble in price. I think they may even go as high as the amateur radio rigs and they're not very cheap. By the way I would like to say a bit about Rhys Bowen, Paraffin Lamp, Bradford's, letter in August's issue of Breaker on the Side. I admit I agree with some of the things, but when he starts calling FM breakers scabs, that means he's calling old age pensioners scabs, and the disabled. When I go on to a channel and someone is sidebanding on upper sideband I try to move as far away as possible. I hope other FM breakers do the same. It's not funny when you're talking to a breaker in Italy.

*One-Six-Steve (FM breaker)
Concrete City, Skelmersdale*



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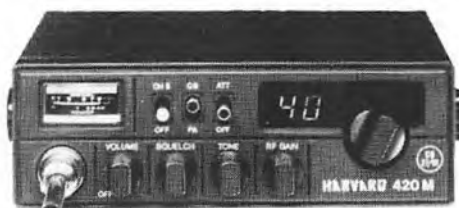
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Contd.

Dear BOTS

The government have announced they no longer object to the introduction of a novice transmitting licence.

This would act as a stepping stone from CB to obtaining a full amateur radio licence. The form would probably be morse code only at 5 wpm on existing amateur frequencies, plus a simple technical examination this would offer world wide communication.

The novice licence has been in use for a number of years in various countries around the world.

The government are not convinced of the demand and would like persons interested to write to their M.P. or Timothy Raison.

The licence was promised in parliament in 1968 by the then Postmaster General Edward Short, we are still waiting.

For more information, call me or the Home Office or 275-3323.

G3ZHI

Dear BOTS,

"C.B. turns septic?" is full of hysteria. Can't you see who your real enemy is? Willie Whitelaw did not give in, he introduced F.M. in an attempt to destroy C.B. He gave us 40 channels and 4 watts so as to lure enough people to F.M. to start an A.M. v F.M. war. He wanted to destroy the camaraderie among C.B.ers (the 'good buddy' image), and divided we will fall.

Real U.K. C.B. is 27MHz AM/SSB. The F.M. system (though legal here) is very much in the minority. F.M. was only introduced to try and kill the U.K. C.B. system, like a cancer it must be destroyed. C.E.P.T. is the only known cure.

Every breaker should write to his Euro M.P. asking for a common European licence and frequencies now.

*Rhys Bowen (Paraffin Lamp)
Bradford*

Dear BOTS

The Suffolk Emergency Action Radio Service, along with many other groups, monitors channel 9 for the reporting of accidents.

It is becoming an increasingly difficult job owing to the number of sidebanders who are coming through on the emergency channel.

When monitoring here in East Anglia, I have clearly heard people from Scotland and Ireland as well as Malta and Italy.

Can I ask all readers who enjoy sidebanding if they could please ensure that they keep clear of channel 9 FM (channel 64 AM, or 27.685 MHz, plus or minus 5 KCs)? It is possible that they could block an emergency from being reported – thus perhaps causing loss of life.

May I finish by thanking you for your help and wishing you all good sidebanding on the higher channels.

*P. Hainsworth (Mrs)
Chairman, Suffolk Ears*



Dear BOTS

After being non-stop followed by a certain Turkey, he knows who he is, I was pressed to write to you and warn anybody travelling through N.W. Leics about the bad-language, D.J.'s and suggestions being made to innocent breakers on channel 14 F.M.

Me and two of my good buddies, namely "Skippy" and "Hitman" have a special way of losing the "phantom mic-keyer" (but not for long, roll on another 40 channels). We each have a special channel to go to, so if our friend the Turkey turns up, either one of us can say, "My channel" and the other two will know where to go.

So if you're going through the N.W. Leics 20, then look out for the plague of Wallys, but also keep an ear open for the few of us, who can be nice.

*Double Decker,
Worthington, Leics.*

Dear BOTS

I have just received July's issue of your 'mag', and was interested in a letter from Pegleg, Worksop, Notts. I have been breaking now for 4 years and use a Commtrom Nato CXX. This being the "naughty" one. I find I can get both AM - FM on the same antenna, which a Valor Dial-a-Match, both bands are very clear, FM not quite the range I would like - about 4 miles.

So I have bought a second antenna, and double switch, with a "dummy" load, put this into the car, then S.W.R. each antenna, one for AM, the other FM, brought them back to the switch which is then joined to the common antenna from the rig. I have no problems at all.

Before I close, I would like to thank you for really good reading, keep up the good work. I still have Issue No. 1.

*Lady McVee, Culcheth
Warrington*

Dear BOTS

Through your mag I would like to say, "Thank you" to two very kind breakers who found and returned my rig to me after it had been stolen from my home 20, after I had invited three what I thought were good C. Bers into my home for coffee, after they had given me a lift home from a pub where I work. Not content in taking my rig they also took my purse with about £46-00 inside and what was to have been a happy bank holiday turned into a sad one.

Once again a big thank you for what you two breakers did to return my rig to me.

I enjoy your mag and read it from start to finish every month. Keep up the good work. Take care we care. Bye we gone.

Spanish Lady (Smelly Town)

Send your letter to:

B.O.T.S.
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FURTHER UP YOUR FREQUENCY

Sometimes you just cannot win . . . who would have thought that a nice clean story about CB channels and all that jazz would have had the author hiding inside a flak jacket? It seems that the chart published with the original article in September BOTS caused some raised eyebrows, not only amongst breakers.

Unfortunately it seems to have been a shock to some people that their rigs were capable of operating outside the CB band. It also seems that the CB trade are not very happy about it either, because they have been getting aggro from all angles. At least one or two of the dealers think that certain manufacturers/importers have a lot to answer for, because they are deliberately making available so many sets that cover non-CB bands. The users take the can back, (as usual) because it is not illegal to sell such rigs, only to install and/or use them. Guess who the users are? Right on, baby . . . it's you and me, the average breakers of this world, who don't know a transistor from a thyristor (Ed. more filth???) So we can only point out that BOTS is doing its level best to make you all aware of what is going on and what kind of risks you may be taking. It's not our fault . . . honest!!

Making up your own mind . . .

Another point to emerge from the frequency article was the fact that despite the plea from the BOTS Editor a *small* number of breakers have quite deliberately chosen to use those channels above 11 high or superhigh . . . in the 28 meg ham band. Anyone who ignores a plea from SIR (grovel, grovel) risks a lot (especially if he writes for BOTS) but obviously there are some out there willing to risk it. Seriously folks, I have been given stick by radio hams, who think that listing the CB channels was a plain invitation to get up there and use them all, including stirring up trouble with ham friends. (Some of them are more friendly than you think . . . chances are that your local rig doctor is a ham.) I am told that in the Manchester area there is at least one dynamic duo who spend most of their time on CB ratchetting up in the ham band. They do it mostly during the night (on nightshift?) but that does not mean that nobody hears them, quite the opposite in fact. The score at present is that a fair number of hams are busily working on identifying these operators and you can bet your last DV27 that there will be no



vigilante stuff, just a quiet drop to Buzby. Our duo are almost certainly operating instead of working so their promotion chances will not be good either. Come to think of it, they may even get the big E for playing illegal radio. If there is a moral to this true tale, it must be that planking about in the middle of the ham band (where you are utterly obvious) is not good for your health. We all know that you can do just what you like on the CB band at night, because everyone else is doing the same. There's safety in numbers . . . how else did you think we got legal CB in the UK? It was not by prating about on Medium Wave annoying listeners and it certainly was not by operating in the TV channels. It was by using CB channels, in such numbers that Buzby had to give in. So the CB channels are the place to stay. Make up your mind, but we did tell you, as always. Some of you know it makes sense.

Read it again carefully department

After going to all that trouble to explain why the CB channels need to be 10 kilohertz apart, I strongly resent being accused of a technical cock-up. (Ed. even if it is true.) There are one or two things to sort out.

ONE: for heaven's sake remember that bleedover is not, repeat not always due to the breaker on the next channel using a lousy rig. The commonest cause is the fact that the guy is very close to you. Whatever channel he is on, his rig is putting a ten pound signal into *your* twig. Your rig may be tuned to a different channel, but that ten pound signal is still reaching the input circuits. Once it gets there it is not going to just vanish. There is no CB or commercial rig available that will stand up to this close range treatment (well there is but you can't afford it and it does not meet MPT 1320 anyway!) The result is that your good buddy and his signal will come blasting in on top of your copy. The answer in many cases is tolerance, which is in damned short supply in some areas unfortunately. In other cases, a reduction in transmitter power is the answer, plus the sensible use of an attenuator in your twig lead. It works well for local copies where both of you are trying to ratchet over short distances.

TWO: if the interfering signal is coming from a breaker well away from your 20 and he is not actually throwing you a colossal poundage,

contd. on page 14



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To the Editor!



Dear Sir,

As your readers will have already gathered we are busily loaning rigs to disabled breakers throughout the country. May we through your pages offer the thanks of those disabled breakers who have benefitted through the scheme to the breakers world in general and in particular the trade which seems to come in for some rather unnecessary knocks. We would refer in particular to three – Messrs. L.C.L. Limited, Messrs Atlantic Supplies of Cornwall and the Hammersmith C.B. Centre.

Whilst giving the usual disclaimer all three of the principals of the companies involved appear to us to have moved heaven and earth to try to assist disabled people and get them happier in life. It is untrue to think that there is any profit motive behind this – we know from experience that we are supplied with disabled breakers' wants and needs at less than cost. Michael Mosley of the Hammersmith C.B. Centre has backed with his own money the development of a 'Channel Changer' which puts C.B. within reach of 95% of disabled people – it is far and above anything else which is available on the market and is supplied to us at a price which must bring tears to the eyes of his bank manager. It is the only genuine 'all purpose' modification with which we have come in contact.

L.C.L. offer us basic rigs at a price which must make them a charitable concern in themselves. For the world of 'normal' breakers however there is an enthusiasm detectable here which can only bode well for the general public – they are just as likely to find the gov'nor on the other end of the telephone and the company itself 'trys'.

Without Atlantic Supplies we would be faced with a wage bill which would put us 'off channel' – it is as simple as that. They perform every service that one associates with a very large company very speedily and reliably and we know that they are a 'husband and wife' business – and they supply 'one off' jobs with pleasure – which is more than a lot of big companies can and will do. It means that two of us (and our computer) can handle the hundreds of enquiries which we have received over the months easily with room for many more. With the assistance of the companies mentioned it means that every pound we receive can be made use of towards getting disabled people 'on channel' as quickly as possible.

We would also thank those breakers who '10-5' news of our existence to others who need to know of us and could we also thank those who send us 'Auntie Mary' equipment for conversion and odd twigs and power transformers that they don't need. We are always on our knees for this type of thing so please keep them coming – please!

Finally – many thanks to the magazine world which has done so much for disabled people – thanks for being so liberal with space for our cause and for assistance readily given.

And if any club or breaker can think of ways to raise funds to reduce our waiting list we would be very pleased to hear from them. Thanks to you all!

Yours sincerely,
Touch Disabled C.B. Radio
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B.O.T.S. Talks with...



BARRY DAWSON

Since we started the magazine some 25 issues ago we have kept close contact with all C.B.ers as individuals and clubs. We view with great importance that we should all be aware of all the aspects around C.B. and that you should be made aware of more than one point of view.

Before legal day everyone ran with C.B. 'the greatest thing'. Then came legalisation and how very much things changed. The media offered a slur to C.B. 'the boom that never happened' and shops ceased trading, investors looked critically into C.B. and we asked who understands C.B.? We kept you clearly in the picture and just because the High St. did not break any projections C.B. was far from dead. The independents with their service traded on in strength. Only to be expected, any business has peaks and troughs in its trading and so the people behind the marketing and strategies had to rethink and realise people wanted more from a C.B. at the best possible price for their pockets.

Along with the brand names in C.B. came new brands, new C.B.'s offering more choice and greater appeal. The independents looked to strike back at the High St. name and with companies like C.B. Radio Distributors and **ROGER D** the force was with them.

The company Roger D started at about the same time as C.B. Radio Distributors, Isle of Man. Extensive research into the potential C.B. market that existed in the U.K. prior to legalisation and the anticipated potential after such legalisation seemed to indicate a very serious need for a replacement parts source in the U.K.

Roger D was set up primarily to become the best source of Japanese Transistors, Integrated Circuits and Crystals to service the U.K. market. In order to establish a product range in depth, investigations revealed the makes and types of C.B. Radios being used, the original manufacturers and the suppliers of these types. Efforts were then made to obtain parts lists, circuit diagrams and parts suppliers. As a result of some 2 or 3 months work involving some 680 letters, 3 or 4 times as many phone calls and at least five trips to the continent, an initial stocking range was decided, orders were placed on Japanese supply sources, European suppliers and some U.S. companies. The goods finally started to arrive and the next stage was to let the market know that Roger D existed, where it was and what it had to offer.



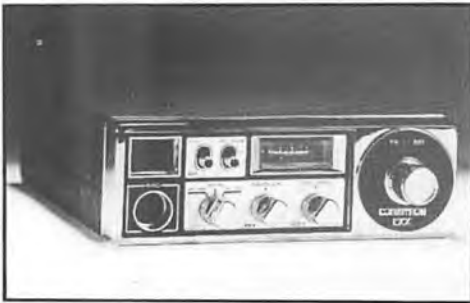
Roger D of Nottingham

Some six months after inception Roger D had a product line up 4 times its original size, an availability of some 95% first time pick, and some 1,500 active customers ranging in size from £10 per month to £1,000 per month. One of its largest customers in those early days was C.B. Radio Distributors, Isle of Man, who had started to manufacture C.B. sets for the U.K. market. Obviously the pooled knowledge of both companies proved to be very beneficial to both, and their individual customers. This close working relationship led to plans being made in anticipation of legalisation of a U.K. C.B. service.

Each company made plans for their own particular specialised fields but they also evolved a joint "Market Plan". The key cornerstone of this plan was to design, and have built in Japan, an exclusive range of C.B. Radios, this was to be the "NATO RANGE".

It was decided that C.B. Radio Distributors would source these products, and use their purchasing skills to acquire the new range and that Roger D would be responsible for the marketing of this new range "NATO" primarily in the United Kingdom.

As you are aware the new range was launched in MAY, 1982 and has proved to be a huge success. In the first 2 months all sales targets have been smashed and these new products have sold some 6,500 units.



The new range "NATO" is currently the COMMTROM CXX (NATO), STALKER ST9FDX, THE SHUTTLECOCK 215, THE NATO 40 FM, and THE NATO 2000. Plans are well advanced for an expanded product line up.

Roger D has always felt that to market a product well a company must give its customers at all levels "product confidence" and this can only be achieved by good quality product, good service back up, good parts and product availability, stable prices at trade and retail levels and the maximum effective sales and promotional back up available.

With this very demanding market requirements to meet both Roger D and C.B. Radio Distributors are committed to this policy. We have tried to protect trade customers by introducing a fair trading policy for all, so they may buy with confidence knowing that this product line up is here to stay and will not be "DUMPED". We have produced point of sale posters, and supported the Nato range with extensive retail

contd. over

contd. from over

advertising to create customer awareness and are just about to sponsor some retail customer competitions to further even more conscious "BRAND AWARENESS" in potential customers.

Roger D are very conscious that for a large part the current C.B. market can only grow when the hobby spreads into all walks of life and when the public at large are educated into knowing the advantages that C.B. has to offer them in many critical and otherwise serious situations. Plans are being made to promote this education and knowledge by our active support of trade associations and the trade press in this endeavour.

It is hoped that by November 1982 the NATO range will be available nationwide through at least one major retail outlet in every large city and town in the U.K. This distribution network will be supported by many innovative products and new ideas.

Obviously we cannot reveal what these innovations are but they will be communication related products.

Roger D is already attacking the market in the U.S.A. with some success and "NATO" has already been sold on the continent.

Roger D is here to stay, C.B. Radio Distributor are here to stay and so is "NATO". We have all heard of "COWBOYS", we have all heard of "No. 1 in the U.S.A.", well "NATO" is "No. 1. in the U.K." and that's a big Roger D ■

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TO ALL INDIVIDUALS TO ALL CLUBS TO EVERYONE WANTING TO BE HEARD

How quickly time goes by. Here we are again in your hands and we do thank you very much. This is the 25th **Breaker on the Side** magazine, the start of our 3rd volume, a little birthday celebration in order now we think for **your citizen band magazine**.

One item we will have to mention is that for two years we have maintained our price to your goodselves, we must apologise for we have now succumbed to inflation and have been forced to marginally increase our cover price to meet our increased charges. Inflation hits us all, very hard at times, (gas, electricity, Buzby) and it's not to drive bigger cars or drink longer, it's to stay with you. A point not needing justification by many companies, but something stays clearly in our minds at B.O.T.S. and that started with the first issue, so we apologise to you all.

It has always been the policy of the magazine to be **your citizen band magazine**. To be your voice in **C.B.** It does not matter how big your club is or how much bigger or smaller you feel **it is your point of view** and through us at **B.O.T.S.** your voice can be heard. We are your C.B. magazine and stand by you and C.B. in Britain. We support **C.B.** and we mean **C.B.** It does not matter whether you are A.M., S.S.B., or U.K. F.M. What matters is B.O.T.S. is for **you** the individual, the club, the enthusiast, the beginner. Let us know your point of view let us put you in front of fellow C.B.'ers in Britain.

Thank you for staying with us. We remain **your citizen band magazine** with the largest following in C.B.

What are you doing about having your views on C.B. known to others? What do you think of C.B.? What have you or others been doing? If you want your views known please write to us.

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Further Up Your Freq. – contd. from page 7

then it is quite likely that he is (a) trying to use excessive power (b) using some loathsome power mike turned full on (c) on the wrong frequency due to a rig fault, or (d) doing several of the above, all at once.

For example, I have had my attention drawn to the so-called failure of a number of conversion jobs from AM to FM. The complaint was that the converted rigs take up several channels at once, causing severe bleedover wherever they are used. “Explain that away matey” was the comment. How can a legal rig hit so many channels at the same time??? Simple. See *one* above. See *two* above. *Both* can happen at the same time. In the cases complained about, the breakers have deliberately friggged with the carefully set-up deviation level control in the converted rig. They have also added a lot of power mike, all in the hope of getting better copies.

What happens is that if you push the deviation and you turn up the audio, you do *not* get a better signal. You just take up a hell of a lot more frequency than you are entitled to, so there! Don’t shoot me; go shoot the loonies who insist on using three channels at once. Ten kilohertz IS enough space for anyone.

The Screw Everyone Attitude Again

It had to happen and it has. When I said that there was a small gap between adjacent channels, I knew that some sideband breakers were managing to work DX copies between legal UK FM channels. They are using the narrow gap, plus the fact that sideband takes up less space than AM or FM. It works out OK if there are no local breakers on legal FM who get clobbered by the sideband. It can cause problems where there is a lot of FM activity.

What I did not know was that there are actually sidebanders deliberately using channel 9 as a calling and ratchetting channel. (Yes, I do mean channel 9, legal FM.) Presumably their excuse is that channel 9 is not much used due to the lack of emergencies???



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Unfortunately, there will not be many emergencies if nobody can hear anything but sideband on channel 9. Ever tried to talk to sideband with an FM rig? Those of you who think that the worst enemy CB has is Cbers may well be right. How can we expect to be treated like responsible people when all around there are so many who just do not care.

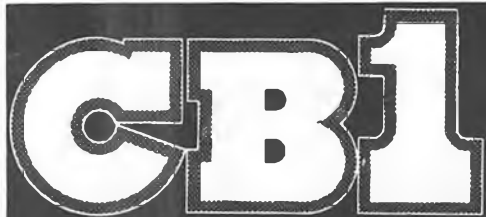
Last but not least

Thanks to all those who have pointed out that there is a growing tendency for groups of breakers to monopolise a particular channel. This is absolutely unfair, undemocratic and I do not like it! Nor do a lot of breakers who find that they cannot get onto the channels between the Muppet Show and legal FM, without being told that "this is the XYZ club channel . . . get lost". Some club members do this, even though they are not actually using the channel. They are just monitoring it, in case any of their buddies come alive. Nobody has a right to nick channels like that. They are there for all. For sure nobody should be using a good DX channel for local ratchets, when the skip is rolling.

If there were any prizes going for hogging channels then one hot favourite might be the group who use a split frequency that is not on a CB channel at all. It is so close to a very popular channel that bleedover is a dead cert. Very considerate, especially when they do not talk to non-members. So you cannot ask them to take it to channel 1, super-super low band, which is about the correct spot for hogs to be sentenced to use.

Finally, you may like to hear that one CB mobile twig actually goes like a bomb on the two metre ham band. That is about 30,000 channels away from its design frequency and that ought to be in the Guinness Book of Records. Somebody said that it is really poetic justice, because two metre ham radio is and always was legal CB. Right now it is full of refugees from CB, all hoping to get full ham licences to DX the legal way. Good luck to them, but why do so many of them pretend to have never heard of CB? Perhaps the CB channels are well rid of them, if they are so ashamed of where they got started in radio? More room for us!

(Ed. He must have a death wish this month.)



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DXing.....WE

Hi there, and another look into the world of DX and QSL scene. Since last month I have had quite a lot of mail concerning the joining of various QSL clubs world wide and opinions of some of them. One of the clubs most people seem to be writing to me about is British Concorde, the club from London that came onto the scene with a bang. Some time last year B.C. were given some amazing publicity by the president's father in another publication and it seemed that nothing could stop the club becoming one of the biggest in Europe. However, since B.C. first started, the enthusiasm of running the club has been lost by the 15-year-old president and her housewife mother. A pity really, because the people I feel sorry for are the members who gave their £5.00 to join and now quite honestly have nothing to show for their money, except for a wall certificate the size of an I.D. card, rubber stamp, a selection of B.C. QSL cards and all the info you need on flying Concorde.

Having got that off my chest, one of the BIG BEN members wrote and asked my why I do not supply a mounted rubber stamp. Well simply because postage and the bulkiness of the package that could possibly be torn apart in transit, stop me from supplying a handle. Brad Roberts of 20 Riverside Crescent, Newquay, Cornwall goes on to say that mine is the only club of the six he has joined that has failed to mount the rubber stamp. I think, Brad, you will find that when you have joined another 380 clubs world wide you will be surprised to see that I am not the only one.

News just come in from David Shepherdson of 3 Tarn Villas, Cowpasture Road, Ilkley, West Yorks. Dave alias The Honeymonster tells me that he has just started up a FREE QSL Club. This is the Dragonrider QSL club and for a fee of just 5 of your own signed and dated cards and a s.a.e. you will receive 5 QSLs from the president, 5 other QSLs and Unit no. etc. So if you are just starting your collection of cards, why not drop Dave a line.

I had a rather touching letter the other day from a guy called Mike Hammond from London. Mike has a foster child called Wendy. She is 19½ and unfortunately she is mentally handicapped. Now then, Wendy has found that although she cannot DX she does like to QSL and from the letter I had from Mike she really enjoys receiving and answering the mail. So why don't some of you drop her a line with your personal QSL to Pork Slice. Wendy Croucher of 59 Alexander Drive, London SE19 1AW. I can assure you that although it may take a little time to get her QSL card back, you will receive one written personally by Wendy herself.

A letter in this month from a fellow DXer is more a cry for help than anything else. Wayne, station Mike Lime 038 from 39 Hornhatch, Chilworth in Surrey, wrote asking if any BOTS reader could help him find a control box for his rotator box. Apparently his has gone wrong and needs a new one but obviously doesn't want to go to the expense of investing in a complete new outfit. So if any one could help he would appreciate it and I would suggest you drop him a line direct. In the meantime if anybody else has a problem buying or selling an item that would be of use to a fellow DXer please drop a line to BOTS or to the address below.

Any of you Londoners heard of a station called Oscar Alpha Papa 49er otherwise known as White Whiskers, you will find him playing on his new multimode by Ham trying to get a decent copy on the SSB. However it seems that a few planks are not taking him seriously enough when he goes QSK on the North London Network and often gets told to



QSL, YOU QSL

get off or words to that effect. Why not be good radio operators and invite this guy to join in. You see when you lot get to 68 years old you will enjoy the company of other CBers to talk to.

A nice card in from M. Barnes of 11 Lomond Close, Lambton, Washington, Tyne and Wear. Station Jaguar. A member of the Four Jacks QSL club. He will send a QSL on receipt of yours if you care to drop him a line.

News also of the Argentines back on the DX circuit, coming into the English skip. I was having a QSO with a station in Norway when I heard a call from unit Juliet Mike 38 from Argentina, so I acknowledged him and asked him to stand by whilst I finished talking to Norway. Well, if you could have heard the language that came from this guy it would have been enough to make a nun faint. You see it turns out that matey doesn't want to talk to me anyway and that if I could clear off to another frequency, all the better. Talk about being a bad loser.

This month's International QSL club is the Greenpeace QSL club from Holland. I am sure you all know what Greenpeace is all about and what it stands for especially if like me you don't like whale hunting, seal culling and nuclear waste disposal. 'Whale' this club was set up with all this in mind, and as far as I know, the only club that ploughs all its club profits into the charity, Greenpeace. Let's first of all talk a bit more about the club.

The package is sent to you in a fine cardboard tube, unlike all the rest of us who rely on the envelope. The wall certificate, ID card depict a seal with the word GREENPEACE around it. Also it may be worthy noting that the QSL cards from the club show one of the Greenpeace ships out at sea. The Rainbow Warrior, and I am sure you know of the trouble her crew have gone to to protect the seals from the annual cull. Apart from the other usual effects and souvenirs of Holland that can be found in the package there is also a rather unusual gift for your XYL. I won't tell you about it as it is worth the surprise. All I will say is that The Duchess still wears hers??? But the thing that most attracts me about Greenpeace is the fact that all profit goes back into the Save the Seal Fund and I thought that the better clubs never made a profit. I am glad that this one does though. If you want to know any more about them please write to me or 1 GP 1 Op Ben., PO Box 33, 8855 ZM, Sexbierum, Holland. Of course don't forget to mention BOTS. (QSL Card in next month's issue.)

Last month I decided to spend my vacation in Gibraltar for two weeks and what a great time I had meeting all the DXers on there. For an island only 2½ miles square I don't think I have seen so many Silver Rods and 3 element beams. It would appear that DXing is done in quite a big way as most of the sets I saw were Yaesus or Sommerkampe. Coupled with a few hundred watts of power, I soon found that the members of the GOLF INDIA BREAKERS speak to people all over the world. I managed to have a few contacts in the UK and as promised I will send Paul and Andy from Milton Keynes a copy of BOTS and a selection of QSL cards. It took me three days of trying but I finally made it. Although I had no problem with our friends in Italy, Greece, USA and even two QSO's into Aussie, I must thank, at this point, all the DXers I met, but in particular, Felix and Sandra Alman. Of 19/8 Willis's Passage, Gibraltar for all the hospitality they bestowed upon Marian and myself during our stay. Showing us the sights and giving us both a real good time. Felix has asked me if any of you readers are in the fire brigade? If so could you contact him and send

contd. over

DXing

WE QSL, YOU QSL contd.

a souvenir of your own brigade and he will endeavour to send something in return. You see Felix is employed as a fireman in Gib, working for the Dockyard Fire Brigade.

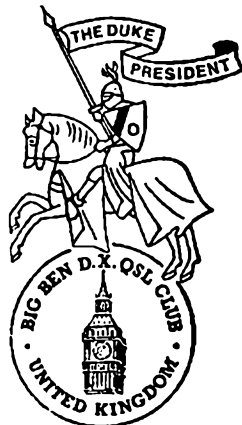
One letter I had in was from a Mr. Randolph in Leeds who insists that I am an irresponsible character, bent on breaking the Wireless and Telegraphy Act and encouraging other people to do so. And so ruin CB for the legal users at present, by telling everyone to switch to SSB. Well, Sir, all I can say to you is that if any one wants to go on to Sideband and make friends around the world, then why not? In my opinion and also for thousands of other people around the world, why should we have to pay £3 per minute or whatever to talk to someone when an aerial and microphone will do the job just as well and sometimes better. However, having said that, I will say here and now that if anyone reading this article is thinking of going SSB then think carefully, because I have already been busted both mobile and homebase three times now. And if you have any doubts, then simply don't do it. I won't print your address as I am sure you will get a few letters supporting my views, but at the same time does your local post office know that you use their franking machine. I would have thought theft was more of a crime, you think about it.

That's almost it for now except to say, those of you who are sending in QSLs for publishing, please state if you wish to QSL with other readers as some of you, judging by the complaints I am getting are not replying to people who bother to send one of their cards. Remember the heading of the article - WE QSL YOU QSL.

Next month we go down under to reveal the contents of the KANGAROO WHISKEY QSL club of Australia. Keep your letters pouring in and SAE's for the free tips and QSL cards. Till next month, Chow Chow, Gambio Gambio and anything else that means Tara■

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CELEBRATE BIRTHDAY

This being the second birthday issue of B.O.T.S. we hope that you will join in the celebrations and enter this super free competition by answering the three questions and finishing off the tie-breaker sentence.



THE PRIZE IS A NATO 40 FM (FROM ROGER D OF NOTTINGHAM). IT FEATURES EVERYTHING AN FM'ER COULD EVER WANT FROM HIS/HER RIG.

It has easy-to-grip rotating switches for on/off and volume, squelch, RF gain, MIC gain, dimmer and channel selector.

Other features incorporated are flick switches for high/low tone, roger bleep, instant channel 9, normal/clear modulation, CB/PA and Delta tune.

The microphone jack is mounted on the left side and the rig comes complete with instructions and fittings.

Answer the following questions and complete the tie-breaker on the cut-out coupon below or on a separate sheet of paper or postcard (don't forget to put your address down).



WITH B.O.T.S. COMPETITION

QUESTIONS

1. What are the legal frequencies for C.B. in Britain?
2. What is the legal overall length (NOT including loading coil) of an antenna in Britain?
3. What do the letters F.M. stand for?

The tie-breaker is to be completed in not more than 12 words on the answer form below (or separate paper).

The NATO 40 FM is my choice of rig because . . .

Entries to be received by first post Monday, 15th November. Judges decision is final. Winner notified by post and name published in January cover date issue of B.O.T.S.

ANSWERS

1. Channel 1 27.60125 to 40 27.99125MHz
2. 1.5 meters.
3. Frequency or Phase Modulation

Tie-Breaker

The NATO 40 FM is my choice of rig because:

This rig has every thing a CBer could ever want and more.

Name Suman Hollinshead

Address 17 Eaton Close Hull and
Ward Derbyshire.

To: Breaker on the Side, Birthday Comp., 84 Higher Ridings, Bromley Cross,
Bolton BL7 9XS.

To be received by first post Monday, 15th November.

POET'S PAGE

1-9 on FM

I finished my work, and went to my car
And switched on my rig before I went far
1-4 for a copy, I called loud and clear
A breaker came back, Metal Mickey is here.
I'm down from Pub City for a couple of days
By the beach in Surf City, watching the waves.
Off I did go for an eyeball out something.
I am glad I did for I found out something.
Metal Mickey's a trucker, and he's on FM
As well as some others like Marathon Man.
There are truckers from Hotpoints and the Big K's
Truckers who ratchet through long driving days.
It's 1-9 for Penguin, Oil Burner or Jaws
Or have you seen Odd Job, then 10-3 for a pause.
Back to you Red Cap and here's Turbo Two
Where's the Sidewinder, now over to you.
The FM truckers are coming in now
On 1-9 in Cheshire you can really hear how.
They've given up AM, we all can't be wrong
They don't need a burner, transmission are long
From Chester to Bagillt and sometimes beyond
From wrappers to truckers, a true C. B. bond
In Checkout the breakers you'll find on 1-9
That's Crystal and Merchant they're doing fine.
So you AM breakers have a good think
Sit down with your buddies, and over a drink
Discuss all the points that are coming to light
Don't be a martyr and join our clean fight
Move over to FM or you'll soon be alone
For the next move for you is 10p in a phone.

*Brian Wills, Knitwit,
Checkout, Anglesey.*



A.M. AT RISK

I know it's illegal
But the Muppets
Don't care
We'll just go on
Breaking for as
Long as we dare
People might think
We are taking a
Risk
But dear Government
Give us a break
So we don't all have
To go Breaker Break

*Whiplash
Blood Town 20
Manchester*



AMATEUR RADIO

This article is not an attempt to recruit breakers into the ham's world, but is intended to give an insight into what Amateur Radio is all about and clear up a few of the misunderstandings on the subject.

Before we start let's dispel a couple of myths regarding Amateur Radio. First of all Amateur Radio is not as closely related to Citizens Band as people seem to imagine and it is not the automatic next step from C.B. C.B. and A.R. serve two entirely different purposes, and can be defined as follows: C.B. is intended as a low cost, easy to use, short range radio communications service available to anyone with sufficient intelligence to press a mike key. As C.B. users are not required to possess even basic knowledge in the suppression of interference, equipment is made to strict regulations (sometimes too strict) regarding harmonic radiation and power to ensure that it is incapable of causing gross interference to other services. Even though many breakers manage to get long distance copies on C.B. it is not the best of bands for DXing as it was never intended for that purpose.

The purpose of Amateur Radio on the other hand is for, as it states in the licence, 'the self-training of the Licencee in communication by wireless telegraphy', the rather old fashioned term wireless telegraphy simply means sending messages by radio waves. The self training bit covers a variety of activities such as constructing equipment, erecting antennas or attempting DX over difficult paths, all of which are bound to increase the radio operators knowledge of the subject.

Another myth implies that there is some degree of animosity and rivalry between hams and breakers. In general this is certainly not the case as most Radio Amateurs recognise the benefits of C.B. and many are breakers themselves. It is also not true (usually) that the people who jam C.B. are Amateurs

contd. over



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contd. from over

and the ones who jam the Ham bands are breakers, believe it or not most of those caught misusing the amateur frequencies have turned out to be licenced amateurs! Amazing as it is C.B. and A.R. wallies seem to be more content jamming their own frequencies than anyone elses.

So, how does one set about becoming a radio amateur? Well first of all assuming that the desire to become a Radio Ham is high the Radio Amateurs' Examination (R.A.E.) has to be passed, this is an examination set by the City and Guilds of London Institute and consists of two parts. The first part is mainly about radio theory, i.e. how valve and transistor circuits work etc., the second part deals more on the operating aspects and interference prevention. This examination is held twice a year (usually in May and December) and unless you are a knowall already you would be well advised taking a night school course first. Details of the exam and R.A.E. courses can be obtained from the Radio Society of Great Britain, 35, Doughty St., London. When the R.A.E. is passed a class 'B' licence can be applied for from our old friends the Radio Regulatory Department this then entitles the licensee to use all amateur bands above 144MHz, also Morse code must not be used. If a person also passes the Morse code test, the class 'A' licence can be applied for. The licensee can then use all the amateur bands and of course Morse code. The following table gives a brief rundown of what is legally available to the class 'A' licensee:-

BANDS	MAX. POWER	MODES (Modulation)
1.81–2.0 MHz	32 watts P.E.P.	S.S.B.-C.W.-A.M.-F.M.-D.S.B. Slow Scan T.V.
6 bands in the range 3.5–29.7 MHz	400 watts P.E.P.	As above plus Radio Teleprinter (RTTY)
70.025–70.5 MHz	160 watts P.E.P.	As above
144–146 MHz	400 watts P.E.P.	As above plus Data Transmission
432–440 MHz	400 watts P.E.P.	As above plus Fast Scan T.V.
7 bands in the range 1240 MHz –24,250 MHz (microwaves)	400 watts P.E.P. or 2.5 kilowatts peak with Pulsed Modulation	As above plus Pulsed Modulation on some bands

In addition to the above there are no antenna restrictions other than those the local authority might impose.

One of the most popular amateur bands is the 144MHz – 146MHz (2 metre) band. This has often been described as a glorified Citizens Band because half of the band is channelised and is used in a similar way to C.B. Repeaters have caused great interest and have contributed significantly to the increased activity on otherwise quiet bands such as 2 metres, 70 centimetres and 23 centimetres

contd. on page 28

BREAKER ON THE SIDE brings you THE CB 206 SCANNER



CB 206 scans through all 40 (AM/FM) CB channels, automatically locking on to any active channel.

The scanner will stay locked on channel, until the channel clears, automatic delay waits for four seconds of silence before scanning resumes.

Memory lock-out/lock-in switches, allow you to skip unwanted channels and pre-program the memory for the channels you wish to scan.

Channel hold allows full-time monitoring of any single channel (useful for holding channel during periods of silence).

Normal CB operation is resumed whilst the CB 206 is switched off. Whilst switched on the scanner automatically switches the CB set through all 40 channels, when the scanner locks on channel, normal CB functions resume i.e. transmit or receive.

TECHNICAL SPECIFICATION

Number of Channels	40 AM or 40 FM
Memory	Programmable 40 Channel Lock-out/Lock-in
Channel Hold Time	During Silence 4 Seconds, stays locked during talk.
Scan Speed	40 Channels in 10 Seconds
Channel Hold Switch Function	Full Time Monitoring of any Single Channel.
Power Supply	12 Volts at 100Ma

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84 HIGHER RIDINGS, BROMLEY CROSS, BOLTON BL7 9XS

Amateur Radio – contd. from page 26

(23 centimetres band is the closest the hams have to our own dear 934MHz band). For those who do not know what a repeater is, I will explain:- A repeater is best described as an unattended rig which transmits and receives at the same time on slightly different frequencies (to prevent feedback). The repeater is then placed on a very high vantage point, usually a hill or very tall building to give it line of sight range for many miles. Anyone on ground level therefore can greatly extend their range by relaying their transmissions through the repeater. As mobile stations have the biggest disadvantage as regards antenna height, they are best served by the use of repeaters and are generally given priority. The range of hand-held rigs can be increased to many tens of miles by using repeaters. On the minus side only two stations can use a repeater at any one time and they require two channels, one for transmit and one for receive. Repeaters are also easy to jam and from a greater range. On the Amateur bands the advantages far outweigh the disadvantages, but for reasons that shall become clear in the text that follows, the 934MHz band in its present form would be unsuitable for repeater use despite calls for repeaters on this band. As mentioned before a repeater has to transmit and receive on different frequencies. The spacing on the 2 metre band is 600KHz, but as the frequency gets higher the spacing has also to be higher, therefore at the 70cms (433MHz) band the spacing is 1.6MHz, and at the 23cms (1297MHz) band the spacing is 6MHz. The least spacing that could be used on 934MHz without using very highly sophisticated technology is about 3MHz, unfortunately the 934MHz band is only 1MHz wide and would need to be greatly extended if it is to accommodate repeaters. The number of repeater channels would have to be much greater than on the amateur bands as the number of users would be greater, just imagine the popularity of a Citizens band with a mobile to mobile range of 30 miles or more as the norm. Because of this the 934MHz band would have to be much wider than it is now. Another major problem is this, the average cretin count is rather higher on C.B. than it is on any of the amateur bands, it therefore stands to reason that if Amateurs suffer jamming of repeaters (some have had to be closed down because of it) then on C.B. it's going to be much, much worse. The odd repeater placed in lowly populated areas may work but a multi-repeater network in city areas would I am afraid be a farce, it's bad enough at times on two metres.

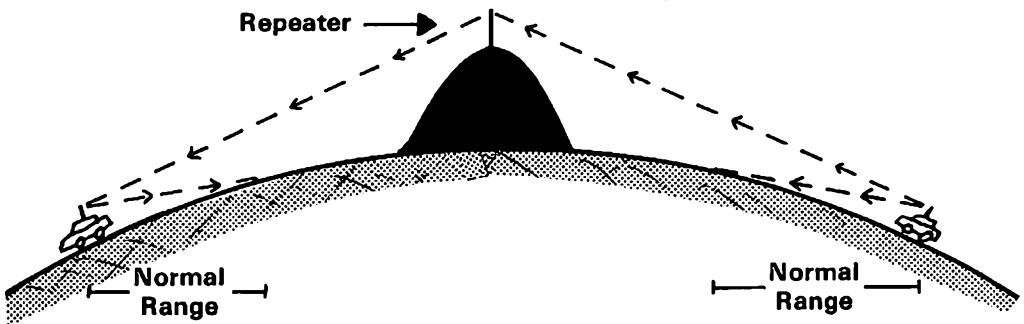


Diagram to show general principles of repeaters (not to scale)



There are 6 bands in the H.F. (High Frequency) part of the spectrum (3MHz–30MHz) and these are best suited to long distance working, the 3.5MHz–3.8MHz (80 metre) band is particularly popular for general nattering between amateurs all over the country, and ranges of several hundred miles are normal as these sort of frequencies do not depend on line of sight. It's usually possible to find an amateur band somewhere that will give D.X. any time of the day or any time of the year and this is a great advantage over being tied down to 27MHz sideband, and it's legal. Of course the Morse test has to be passed as well as the R.A.E. before the H.F. bands can be used, whether Morse code is used or not. (Yes, it is silly, isn't it?)

The future of A.R. is mixed, on the one hand, the powers that be have taken huge chunks off some of the bands and given them to P.M.R. and other services, and it's possible more will be lost in the future. On the other hand a H.F. band at 10.1MHz has just been gained and two more H.F. bands at 18MHz and 25MHz should become available in a few years time. Also, when 405 TV closes down in 1986, amateurs may get back the 50MHz (6 metre) band which was taken away when 405 line TV opened. This band should be available to class B as well as class A licences and can provide D.X. of thousands of miles during high sunspot activity. There is also the possibility of a novice amateur band being set up, the Home Office have come down in favour of the idea so we could have one within 50 years! Satelites have been in use by amateurs for some years now and this is something which is rapidly becoming popular.

Despite all these features, by law a Radio Amateur can only communicate with another Radio Amateur, a detailed log book has to be filled in on every transmission (even tests) although this regulation is rapidly becoming as ineffective as the C.B. antenna restrictions. Frequency checking equipment has also to be kept and A.R. rigs are expensive. Amateur Radio hasn't got C.B. radio licked yet! . . .73.



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RIG REVIEW



MAXCOM 7E ALERT MOBILE TRANSCEIVER

This month we take a look at the Maxcom Alert Mobile Transceiver. Maxcom produce a wide range of C.B. rigs as well as producing boards for many other companies.

LAYOUT

The rig is housed in a plastic case with a leather carrying case. The basic controls have flat sided knobs fitted, making the controls easy to use. The channel display consists of a rotating numbered disc on the rear of the channel change knob. Only odd numbered channels are shown on the dial with spaces in between for the even numbered channels. Finding the right channel can be tricky. The push to talk switch is a large red box across the middle of the rig, conveniently placed and easy to use.

The set has a telescopic aerial, fitted directly to the set when used as a hand held, and fitted to a magnetic base when used as a mobile installation in a vehicle. All the

DATA PANEL

General

Power Source	13.2V D.C.
or	10 x AA size batteries
Current Drain	Receive 900mA Transit 1.2A
Dimensions	Depth 68 mm Height 210 mm Width 87 mm
Weight	2.05 kg.

Transmitter

Channels	40
Mode	U.K. F.M.
R.E. Power	4 watts
Attenuator	10dB (-4 watts)
Deviation	+2 kHz max.

Receiver

Dual Conversion	Super Heterodyne
I.F.S.	10.695 MHz 455 kHz
Sensitivity	(20dB S/N) less than 1uV
Adjacent Channel Rejection	40dB
Audio Power	1.5W at 8 ohms

Features

80cm Telescopic Aerial
80cm Magmount Aerial
L.E.D. T/X Light
Power Lead with Cigar Lighter Adapter
Built-in Condenser Microphone

equipment, rig, aerial, base and power leads come in a plastic attaché type carrying case. The batteries for hand held use are contained in a battery pack which is integral with the leather case.

PERFORMANCE

Under test the rig produced a full four watts of R.F. power with good modulation. This was with the rig connected to a car cigar lighter. The measured output was slightly less on the internal batteries. Modulation was crisp with a measured deviation of + or -1.6kHz. The receive performance is quite good, with good sensitivity, although adjacent channel rejection, quoted as 40dBs could be better.

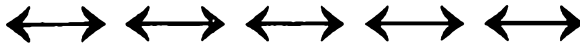
On the internal batteries and with the aerial fitted directly to the set, used as a hand held, transmit range was greatly reduced over using the set with the magmount and on external supply.

GENERAL

The set performed reasonably well under test, considering the 80cm aerial is way below the legal 1.5m limit. However, the shorter aerial does make hand held operation simpler than some hand helds with large telescopic aerials. The set requires no installation in a vehicle since it comes complete with a cigar lighter power lead and magmount aerial.

CONCLUSIONS

The set is designed as a walkie or on emergency rig for use in a vehicle. When used for these purposes, the set performs well, although battery drain, when used as a walkie, is quite rapid, therefore rechargeable cells are recommended. The set is fun to use and easily installed in a vehicle. It should prove popular for people who want to use a set only occasionally or in a motoring emergency. The set sells from around £65 and reflects good value for money■



Dear Mr. Newsagent.

Please Deliver 'Breaker On The Side'
to my home every month

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Distribution is through Comag (West Dravton 44055) on the 15th of every month. Stocked by all major wholesale newsagents.



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? Teaser ? COMPETITION

£5

All answers can be found in this issue of B.O.T.S.

20 QUESTIONS

1. Who wrote in reply to the 'CB Turns Septic' article?
2. What should be in the 'Guinness Book of Records'?
3. How many rubber stamp impressions are there in this issue?
4. Which is the emergency channel?
5. What does C.R.E.W. stand for?
6. What have gone 'Further Up' this month?
7. Who is the assistant editor?
8. What is on pages 16 and 17?
9. What is 'Bubble Trouble'?
10. How many bands have Radio Hams got between 3.5 and 29.7MHz?
11. Which rig is reviewed in this month's issue?
12. Have you got an emergency mobile CB?
13. Which club is featured in this month's DXing article?
14. To whom is B.O.T.S. talking with this month?
15. Who has accepted the post of Life Honorary President of T.H.A.M.E.S.?
16. What does 10-84 stand for?
17. Have you entered the rig competition? If not, why not?
18. Where would you find Sharman's Wholesale?
19. What is QRM?
20. Who drew the 4 part QSL card?

When you've written down the answers and stuck them in an envelope, send them to:

**TEASER COMP.,
84 HIGHER RIDINGS,
BROMLEY CROSS,
BOLTON,
BL7 9XS.**

Winning card pulled out of the hat on Monday 22 November. Winner receives £5 and name published in the next months issue.

Only one entry per person, to be received by first post Monday 22 November 1982.

**Winner of September issue Teaser Competition is L. T. ROACH, LARCH DRIVE,
KINGSCLERE, BERKS.**

TERMS

CB LINGO

By now we are confident that you are aware we have set the policy to be your very own quality CB magazine.

Again this we consider, accept and appreciate all your points of view. The CB Lingo is of great interest especially to new CB enthusiasts, so we have decided to feature this index in the supplement section of every months magazine. We are here to help you and indeed will always amend this directory as new lingo comes to our ears. All the good numbers to everyone out there, and keep bringing it on in.

A little help – extra power
Adios – leaving the air
Advertising – marked police car with lights on
Affirmative – yes
"All the good numbers" – best wishes
Alligator Station – all mouth and no ears
Amplifier – device for increasing signal strength
Back door – last vehicle in a group
Back out/off – stop transmitting
Background – noise or static over channel
Backside – return trip
Backstroke – as above, also use rebound, flip flop
Back to you – answer back
Bagging – Police catching speeders
Barefoot – running without a kicker
Base station – static CB station, fixed location
Basement – channel ONE
Barley Pop – Beer
Bear – a minion of the law, also use smokey, kojac
Bear cave – Police station, also use Bears den
Bear in the air – Police patrolling in helicopter, or aeroplane
Bear in the bushes – Police hiding
Bear's lair – Police station
Bear report – report on Police locations
Bear trap – radar
"Beat-the-bushes" – lead vehicle looking for smokey to relay his "twenty"
Beaver – small, furry, large toothed animal that lives in the water also female
Better half – wife or husband
Between the sheets – sleeping
Big brother – Police
Big switch – CB rig's on/off switch

Big ten four – yes, for sure also use Roger D, Roger Roger, Roger Dodger, Roger Squadge
Blinkin-Winkin – school bus
Blood box – ambulance also use Meat wagon, blood bank, bone box
Blow'n smoke – coming in loud and clear
Blow the doors off – passing
Boots – linear amplifier also use shoes, kickers, socks
Bottle popper – beverage truck
Bounce around – next trip around
Bra buster – bosomy woman
Break – call a station
Breaker, break – what you say to get on a channel also use breaking break
Breaker – CB'er wanting to come in on a channel
Breaking up – signal cutting on and off, breaking up all over the place
Breaking the needle – powerful transmission
Bring it on – go ahead, it's clear to speak



Brown bottles – beer
Brush your teeth and comb your hair – radar trap ahead, slow down
Bubble gum machine – vehicle with flashing lights
Bubble trouble – tyre problems
Bucket mouth – CB'er who won't shut up
Bull jockey – someone giving a load of bull on channel
Bulldog – Mack truck
Burner – RF power amplifier
Bust – getting caught
Buzby – GPO official or investigator
Camera – hand held radar unit, also use kodak
CB – Citizens band radio

Terms

- CB land – the land of CB communication, and folks using CB meet
"Catch you on the flip flop" – talk to you on the return trip
Channel hog – someone who won't let anyone else transmit
"Check the Seat Covers" – look at the females
Chicken box – CB transceiver
Choo-Choo train – semi hauling two trailers
Clean – no Police sighted in the immediate area
Come back – say it, or say it again, return call
Come on – invitation to reply, your turn to talk also use "C'mon" "Come on back"
Comic book – truckers logbook
Coming out the windows – perfect reception
Convoy – line of vehicles moving together in CB contact
Copy – do you understand?
Copy the mail – listening to other conversations on channel
Cotton-Picker – fellow CB'er, or substitute in place of swearing (no swearing is allowed on CB).
Crank the handle action – repeat your handle
Crumb snatchers – children
Definitely – emphatically also use definyatory
Diesel digit – channel 19
Dog biscuits – db, decibels
"Don't feed the bears" – don't get any speeding tickets
Double "L" – land line, telephone
"Down and gone" – stopped transmitting
Dusting your britches – walked on, transmitted at the same time
DX – long range transmitting
Ears – CB radio or antenna "ya got yer ears on?"
Earwig – listening in on transmissions
Eights and other good numbers – best wishes
Eights, Eighty-eights – love and kisses
Eye in the sky – helicopter
Eyeball – visual contact
Eyeball to Eyeball – get together
Evel kneivel – motorcycle Policeman
Fairy lights – traffic signals
Fender bender – slight vehicle damage
"Find a clean one" – move to channel with less conversation or static
Five by five – very strong signal
Flat side – sleeping
Flip – return trip also use flip-flop, flipper
Fluff stuff – snow
Fly in the sky – aircraft
Folding camera – Police vehicle equipped with vascar
Foot warmer – linear amplifier
For sure – that's right
Four – yes, o.k.
Front door – first vehicle in line of two or more
Funning – joking
Fuzz buster – electronic radar detector
Get horizontal -- go to sleep, lying down
Gone, we gone – end of transmission, signing off
Go, go juice – fuel
Good buddy – fellow CB'er
Goodies -- CB accessories
x BREAKER ON THE SIDE
Good numbers to you – (73's & 88's) best regards
Got a copy? – do you hear me?
Got your ears on? – do you hear me?
Green light – all clear
Green stamps – money
Ground clouds – fog
Ham – amateur radio operator
Hammer – accelerator
Hammer back in the tool box – slow down
Handle – CB nickname
Happy numbers – S-meter reading, especially above five
"Have a good day today and a better day tomorrow" – salutations
Heater – linear amplifier used to gain extra range
"Holding onto your mud flaps" – driving right behind you
Hole in the wall – tunnel
Home twenty – location of your home "where are you from?"
Honey bear – female Policewoman
Hot pants – smoke or fire
How about it? – asking for a response, your turn to talk; say it
In a short, short – real soon
In the bushes – smokey hiding on the side of the road
It's clear – no smokies in sight
Jam jar – red and white Police patrol car also use Jam Butty
Jaw jacking – long-winded conversation
Keep the shiny side up and the dirty side down – have a safe journey
Keep your nose between the ditches and smokey out of your britches – drive safely and look out for speed traps
Keep the lipstick off the dipstick – pay attention to driving
Keyboard – CB rig controls
Knocking on your back door – vehicle overtaking
Kicker – linear amplifier
Land line – telephone
Lay an eye on – see
Let off – reduce speed
Local yokel – local police
Look over your shoulder – traffic in opposite direction
Mail – overheard conversations
Making the trip – getting the signal out
Mayday – international emergency distress call (10-34)
Meanies – anti-CB Authorities
Motion lotion – fuel
Mobile parking lot – automobile carrier
Modulating – talking
Monitor – listening to transmissions
Negatory – no also use negative
On the peg – legal speed limit
On the side – standing by on the channel
On channel – on the air
Over the shoulder – behind you
Over – through transmitting, your turn to talk
Pavement princess – roadside prostitute
Pedal to the metal – accelerate also use Hammer

Terms

Plain wrapper – unmarked police car
Porcupine – vehicle with lots of antennas
Pounds – S-units, 9s-units on the meter is 9 pounds
Pregnant Roller skate – Volkswagen
Pressure cooker – sports car
Pull the big switch – turn off the CB
Put my teeth up for the night, go 10-7 – sign off
Put your shoes on – turn power up/on
QSL card – postcard with call letters or handle confirming communication contact
Quick trip around the horn – scanning all CB channels
Radio check – checking the quality of transmission
Ratchet-jaw – non-stop talker
Rig – CB radio
Ringing your bell – someone's calling you
Roller skate – small car
"S" unit – "s" meter reading of wattage
Salt-shaker – salt spreading truck
Seat cover – female passenger
Seventy threes and eighty eights – love and kisses, best regards
Sideband – CB operating above channel forty and below channel one
Shaking the windows – loud and clear signal
Shotgun – seat next to driver
Skip – stations heard from a great distance
Skip talker – CB'er who talks long distances
S-meter – signal strength indicator
Smokey – Police also use smokey bear
Smokey report – location of Police in the immediate area
Smokey on rubber – police moving
Spies in the sky and hounds on the ground – Police aircraft and pursuit cars
Squawk box – CB transceiver
Stepped on – someone overpowered you with a stronger transmission also use stepped all over you, stomped on
Streakin' – exceeding legal speed limit
SWR – standing wave ratio
Superskate – sports car
Sweetthing – lady breaker on channel
Take it down – move to lower channel
Take it up – move to higher channel
Ten pounder – excellent signal
Threes – best regards
Threes and eights – lots of best wishes
Three 3's, Seventy three's – good luck, best wishes
Throwing nines – strong signal on S-meter
Tighten up on the Rubberband – accelerate
Toilet mouth – CB'er using foul language
Tree top tall – good signal
TVI – television interference
Twins – dual antennas
Two wheeler – motorcycle
Up on the roof – channel forty, also use Penthouse suite
Walked on – same as stepped on also use walked all over, walking all over you
Walking tall – good signal
Walking the dog – long distance conversation
We gone – stop sending transmission, just listening

Wall to wall and tree tops tall – clear, strong signal, very good reception
Works twenty – work location
Wrapper – colour of car
X-ray machine – radar
XYL – Ex young lady, usually a wife
Yardstick – mileage marker
You got it – go ahead
Yeah four – big ten four, affirmative
YL – young lady
ZOO – police headquarters
Z's – sleep



10 CODE

This code is strongly recommended for all CB communications, were a coded transmission is desired.

10-1	Poor signal
10-2	Receiving well
10-3	Stop transmitting
10-4	OK Message received
10-5	Relay message
10-6	Busy, stand by
10-7	Out of service
10-8	In service subject to call
10-9	Repeat message
10-10	Transmission completed
10-11	Talking too fast
10-12	Visitors present
10-13	Weather road conditions
10-14	Prowler
10-15	Convoy
10-16	Make pick up at
10-17	Urgent business
10-18	Anything for us
10-19	Nothing for you, Return to base
10-20	Location or position
10-21	Call by telephone
10-22	Report to
10-23	Stand by
10-24	Completed last Assignment
10-25	Can you contact
10-26	Disregard last information
10-27	I am moving to channel

Terms.. . .

10-28 Identify your station
10-29 Time is up for contact
10-30
10-31 Crime in progress
10-32 Radio check
10-33 Emergency
10-34 Trouble at this station
10-35 Confidential information
10-36 Correct time
10-37 Wrecker needed at
10-38 Ambulance needed at
10-39 Your message delivered
10-40 Stop at nearest pull in
10-41 Please tune to channel
10-42 Traffic accident at
10-43 Traffic tie up at
10-44 I have message for

10-45 All units within range please report
10-46 Assist motorist
10-47 Stop for gas
10-48
10-49
10-50 Break channel
10-51 Accident wrecker needed at
10-52 Accident ambulance needed at
10-53 Accident road blocked
10-54
10-55
10-56
10-57
10-58

10-59
10-60 What is next message number
10-61
10-62 Unable to copy use Land line
10-63 Write this down:
10-64 Not clear
10-65 Awaiting your next message/
assignment

10-66 Cancel message
10-67 All units comply
10-68 Repeat message
10-69 Do it the french way/Lets do it
10-70 Fire at
10-71 Proceed with transmission in sequence
10-73 Speed trap at
10-74 Negative
10-75 You are causing interference
10-77 Negative contact
10-81 Reserve hotel for
10-82 Reserve room for
10-84 My telephone number is
10-85 My address is
10-88 Advise phone number of
10-89 Radio repairman needed at
10-90 Talk closer to mike

10-91
10-92 Your transmitter is out of adjustment
10-93 Check my frequency
10-94 Please give a voice test
10-95 Transmit Dead carrier for 5 seconds
10-97 Check Test signal
10-99 Mission completed all units secure
10-100 In the John
10-200 Police needed at

13-CODES

Put-downs, or just plain insults.

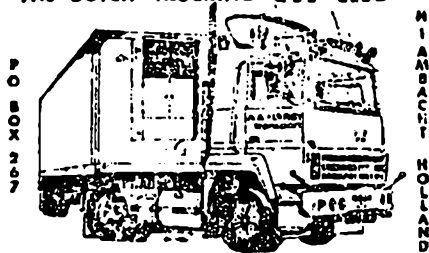
13-1 All units can copy you and think you're an idiot
13-2 Yes, I copy you, but I'm ignoring you
13-3 You're beautiful when you're angry
13-5 Same to you
13-7 If you can't copy me it must be your fault because I'm running 3000 watts
13-20 Is your mike clinking or are your uppers loose again?
13-22 Lady, is that your voice or did you install a steam whistle?
13-24 You make more sense when you're smashed
13-25 Some of the local operators and I have chipped in to purchase your rig from you. Have you considered stamp collecting?
13-26 Next time you eat garlic speak farther from the mike
13-41 Either my receiver is out of alignment, or you're on channel 28
13-42 Either my speaker cone is ripped or you better try it again when you're sober
13-43 That was a beautiful 10, try it with your mike connected
13-44 I love the way your new rig sounds, now I know why the manufacturers discontinued that model
13-45 Your transmitter must have a short-circuit because there's smoke coming from my loud-speaker
13-47 What a fantastic signal -- give me a few minutes to bring the mobile unit to your driveway so I can copy your message



RUBBER STAMPS



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KEEP ON TRUCKING



QSL Cards International



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FLOPPY
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 QSL 100%
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73's

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 2000 ANTWERP BELGIUM



OSL 2014



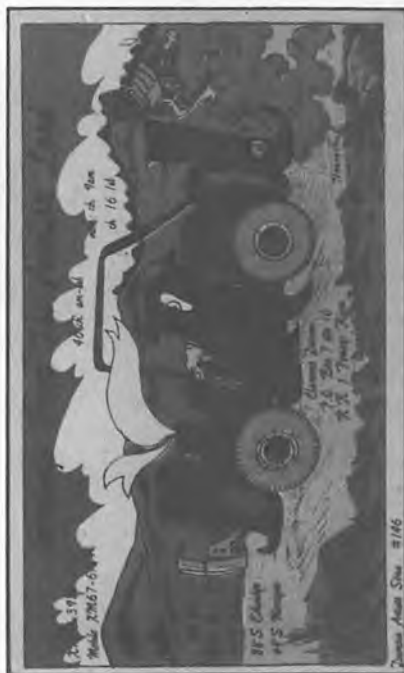
RADIO
 27 MHz
 CITIZEN BAND
 OPERATOR
 FM

ONE SIX · STEPHEN ·
 STATION STW 1

SKELMERSDALE
 CB

51s - 73s

QSL 100%



4062 and 4100
 at 16 18

39
 2067-0

205 Club
 455

2000 Antwerp #146

A 4 part, 4 club Q.S.L. card drawn by the Dirty Doodler from America for the Sancastle Q.S.L.



Swap Club, Kia Ora Q.S.L. Club, Keep In Touch DX-Q.S.L. Club and Super Stinky Q.S.L. Swap Club.

QSL Code:

NATIONAL SIDEBAND "Q" SIGNALS

- QRA** – What is the name of your station?
QRB – How far are you from my station?
QRD – Where are you bound and where are you from?
QRG – Will you tell me my exact frequency?
QRH – Does my frequency vary?
QR1 – How is the tone of my transmission? 1. Good 2. Variable 3. Bad
QRK – What is the intelligibility of my signal? 1. Bad 2. Poor 3. Fair 4. Good 5. Excellent
QRL – Are you busy? or I am busy?
QRM – Interference from other stations
QRN – Interference from static.
QRO – Shall I increase power?
QRP – Shall I decrease power?
QRT – Shall I stop sending? or Stop sending.

- QRU** – Anything further for me?
QRV – Are you ready? or I am ready.
QRW – Shall I inform — that you are calling him on —?
QRX – Will you call me again? or I will call you again at — hrs.
QSX – I'm listening to — on — Khz.
QRZ – Who is calling me? OR You are being called by — on — Khz.
QSB – Are my signals fading? OR My signals are fading.
QSL – Written verification of QSO.
QSO – A two-way conversation.
QSP – Will you relay to —? I will relay to —.
QSY – Shall I change frequency?
QTH – What is your location? OR My location is —.
QTR – What is the correct time?

Phonetic Code:

- | | | | |
|-------------|--------------|-------------|-------------|
| A – Alfa | H – Hotel | O – Oscar | V – Victor |
| B – Bravo | I – India | P – Papa | W – Whiskey |
| C – Charlie | J – Juliett | Q – Quebec | X – X-Ray |
| D – Delta | K – Kilo | R – Romeo | Y – Yankee |
| E – Echo | L – Lima | S – Sierra | Z – Zulu |
| F – Foxtrot | M – Mike | T – Tango | |
| G – Golf | N – November | U – Uniform | |

Note down your call sign _____



Hi Station

This will confirm our recent Citizen's
Band Communication of , 19

Your signals : S

Modulation : M

Q.th : Base - Mobile - Boat

- Nice talking to you.
- Heard you on channel
- Received your card from a friend.
- Received your name from a friend.
- Have your card and thanks.
- Please send card and thanks.
- Please pass this card to a friend.

Post Card



This side for address

Breaker on the Side is published monthly by
Concept and Associates,
84 Higher Ridings, Bromley Cross, Bolton,
Lancashire BL7 9XS



Office hours: 9 a.m. to 5 p.m.

Telephone: Bolton 593856

73's



Hi Station

This will confirm our recent Citizen's
Band Communication of , 19

Your signals : S

Modulation : M

Q.th : Base - Mobile - Boat

- Nice talking to you.
- Heard you on channel
- Received your card from a friend.
- Received your name from a friend.
- Have your card and thanks.
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