

Q S X P E

ZS2PE

FREQUENCIES:

Bulletin	3640 Khz
	7107 Khz
National Call	145,5 Mhz
P.E. Repeater	145,05/65
Grahamstown	145,20/80
Lady's Slipper	145,10/70



***Port Elizabeth Branch of the
South African Radio League***

P.O.Box 462, Port Elizabeth. 6000.

16 JUN 1980

THE NEXT MEETING OF THE PORT ELIZABETH BRANCH OF THE SOUTH AFRICAN RADIO LEAGUE WILL BE HELD AT THE Y.M.C.A., HAVELOCK STREET, PORT ELIZABETH ON FRIDAY 20th JUNE, 1980 AT 8p.m. ALL ARE WELCOME. BRING A C.B. PAL.

ROUND AND ABOUT:

We hear that Mike ZS2MJ and June ZS2JJ have acquired their new rig and I'm sure they will get many happy dx-ing and chatting hours out of it. Well worth waiting for.

We were sorry to hear that Viv ZR2CI didn't ever get to Germany last month on the proposed business cum pleasure trip. Viv suffered a slight heart attack on the plane on the way to Johannesburg and ended up in a hospital in Kempton Park instead of the trip to DJ land. He is back at home now and feeling fit and hoping to get a new antenna up for 2 metres soon.

Trevor ZR2CT is at the moment converting a trailer into a bike trailer for his son who has taking up scrambling.

We would like to congratulate Donald ZR2BJ who has now acquired his ZS call. Hope we'll hear you on the H.F. bands soon.

Roger ZR2BS has already acquired his GWS call and will be active in Wales during his holiday there fairly soon. Have a good time Roger and hope the weather is kind to you.

Dick, ZS2RS our Chairman has been having a wonderful time working DX lately and worked more new countries in the last two weeks than in the time since he got his licence. Congrats Dick and hope you get all the QSL cards. Maybe the list at the back of QSX this month will be a further help and encouragement.

We are pleased to welcome some new members to the Branch this month, ladies first. Atholite ZS2OZ from Queenstown, who is on the air with an FT 101 and a beam, Peet from Nieu Bethesda, and Mr. Lai and Mr. Look Why both from Port Elizabeth. May their association with the League and the Branch be long and happy.

Louwtjie ZS2HZ is also the proud possessor of a new rig, and we hope to hear you also working the DX soon.

We would like to wish all those who celebrated birthdays and anniversaries this last month and those who will be celebrating them in the coming month, many happy returns and congratulations and if we don't know YOURS, how about letting the Secretary know.

Now about the weekend of my life this was a weekend that I will remember for the rest of my life, but hope that I don't talk about it too much!! It all started off a few weeks ago when I got a phone call asking me to take part in the T.V. programme "Specialist". With tongue in cheek I accepted and then had to get down to studying the life of Nevil Shute and his 23 books in the space of 5 weeks. The weekend started out with being invited up into the cockpit of the 737 much to my surprise, then discovered the pilot was ZS2BK Bruce, who happens to listen to the Lunch Time Gang of which I have been a member for 11 years and knew he was on that flight. The actual recording of the programme was very smooth and efficient and quite an experience to see the studios. John Pank is just as fabulous as he appears on the screen. To top it off, I then went to Sun City, saw the last show of the Sun City Extravaganza, which was just too fabulous to describe - one runs out of adjectives. Then, just as a little perk for the evening I managed to win about R80 on the one-armed bandits. Coming back on Monday morning, the pilot took us over Sasolburg to see the smoke and flames. We arrived back in Port Elizabeth at 10.30 on Monday morning - back to hard work, but at a lott because I have nothing to study - have been doing that since May last year, when I decided to write the P.M.G. exam. Hope you haven't been bored stiff!!!

Bye till next time.

The Chairman welcomed all to the meeting, especially Lyn, Mrs. Burrell, Steve ZS5QN from New Germany, and Fred ZS2JS and Roy ZS2RN.

MINUTES: The Minutes of the meeting held 18th April, 1980, having been published in QSX PE and circulated, were taken as read, proposed by Peter ZR2CJ and seconded by Colin ZS2AO.

CORRES: The Minutes of Council Meeting were tabled for those who wished to read them.

GENERAL: The Chairman said that the Hobbies Fair would be taking place from 23rd to 28th June, and that the Branch should make every effort to make a good impression on the public. He had had the words AMATEUR RADIO made in polystyrene at no cost to the Branch and hoped also to have an S.A.R.L. badge set up over the stand. He asked that members should lend equipment for use on the stall, especially homebrew equipment. Roger would lend his 2 meter linear, Norman an Apple computer and it was hoped to get a reasonably modern teleprinter set-up. A 2 metre station, H.F. station, possibly an Oscar facility would also be set up. If anybody was able to help in any way, they should contact ZS2RS or ZS2OB. Maps and QSL cards would be required and antennas would need to be erected. There would also be a "NOW AND THEN" display.

Members would also be required to man the stand, especially as P.R.O. and a pamphlet would be printed to hand out to the public. If a tape could be run through the teleprinter or printed out by the Computer, it would be of particular interest. It was felt that there would be more interest this year, since the introduction of C.B. radio.

Headquarters would be advised so that they could advertise it on the national bulletin. After discussion, it was decided unanimously to invite the Algoa Branch to share the stand with us, and the Secretary was asked to write to Algoa Branch before their Committee Meeting.

Lots of help and enthusiasm was needed for the successful running of the stand, which would be for the good of Amateur Radio.

The question of building projects was raised, and it was stated that the artwork was still not completed.

The business of the meeting being completed, the meeting was declared closed and tea was taken.

After tea, a most interesting and informative talk on T.T.L. logic was given by Bert ZS2EA. The Chairman thanked him for the trouble he had taken in preparing and presenting the talk.

sgd
M.T. Colson ZS20B
Secretary

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Women have many faults - men have only two.
Everything they say and everything they do.

WORLDWIDE AMATEUR RADIO CALLSIGNS.

For those who are interested in working DX or even just listening, and have heard some very strange calls on the bands lately, here is the list as published in the January 1980 CQ magazine. Outdated callsigns are not included in the list and an attempt has been made to just show callsigns one could actually hear on the amateurs bands, either now or in the future.

Notice how often a zero 0 appears in the callsign prefix of rare DX locations. If you were to work all 25 of the zero prefixes in the list, you would have contacted many of the rarest DX locations on earth. It is an excellent practice to work every DX amateur you hear who has a zero in his callsign prefix.

An asterisk * precedes each listing of a country which provides credit towards the ARRL DXCC (100 countries) award. Naturally when one is ready to apply for the DXCC award, it is advisable to obtain a current countries list from the A.R.R.L.

The list can prove to be a very useful operating aid. It enables you to quickly identify each country you hear and it shows whether or not it had credit towards the DXCC award. It is a simple matter to cross off each country as it is worked and confirmed by receipt of a QSL card. If you use this system, remember to cross off all prefix combinations that apply to each country as it is confirmed. As an example, if you get a QSL from Cuba with a callsign such as CM, mark off CL, CM and CO. The number preceding the country name is the antenna heading used from Los Angeles, but these would naturally have to be altered for South Africa.

A	See W	*A9X	011 Bahrain Island	*CT3	052 Madeira Islands
AA-AG	See W (with listed exceptions)	*A35	233 Republic of Tonga	CT4	044 See CT1
AC3	333 See A51 (Sikkim) (unofficial)	*A51	333 Bhutan	CU	044 See CT1
AC4	333 See A51 (Tibet) (unofficial)	BA-BZ	320 See BY	CV-CW	130 See CX
AH1	250 See KB6	*BV2	308 Taiwan (Formosa)	*CX	130 Uruguay
AH2	282 See KG6 (Guam)	*BY	320 Peoples' Republic of China	CY-CZ	See VE
AH3	263 See KJ6	CA-CD	140 See CE	C4	024 See 5B4
AH4	280 See KM5	*CE	140 Chile	*C5A	070 The Gambia
AH5	238 See KP6 (Palmyra)	CE9A	153 South Shetland Islands	*C6A	093 Bahama Islands
AH5K	238 See KP6 (Kingman)	CE9B	180 See KC4AAA	C7	World Meteorological Organization
AH6	260 See KH6	*CE0A	171 Easter Island	C8	080 See C9M
AH7	280 See KH7	*CE0X	144 San Felix Island	*C9M	080 Mozambique
AH8	235 See KS6	*CE0Z	148 Juan Fernandez Archipelago	*C21	261 Republic of Nauru
AH9	278 See KW5	CF-CK	See VE	*C31	040 Andorra
AHJ	285 See KG6/US/T	CL	100 See CM	DA	030 See DL (foreign personnel)
AI-AK	See W	*CM	100 Cuba	DB-DK	030 See DL
AL7	333 See KL7	*CN	051 Morocco	*DL	030 Federal Republic of (West) Germany
AM-AO	044 See EA	CO	100 See CM	*DM-DT	027 East German Democratic Republic
*AP	354 Pakistan	*CP	128 Bolivia	*DU	237 Philippines
AQ-AS	354 See AP	CC-OR	Portuguese Colonies	DV-DZ	237 See DU
AT-AW	333 See VU2	*CR3	073 Guinea Bissau	*D2A	072 Angola
AX	244 See YK	CR5	062 See S9	D3	072 See D2A
AY-AZ	125 See LU	CR8	277 Timor	*D4C	005 Republic of Cape Verde
*A2C	055 B. Line Islands	*CR3	311 Macao	D5	071 See EL
A4X	033 Sultanate of Oman & Muscat	CS	044 See CT1	*D6A	015 State of Comoros
*A6X	073 United Arab Emirates	*CT1	044 Portugal	D7-9	311 See HM
*A7X	011 Qatar	*CT2	057 Azores		
As	071 See EL				

*EA	044 Spain	HR0	110 Swan Island	*KM6	280 Midway Island
*EA6	043 Balearic Islands	*HS	316 Thailand	KP1	101 See KC4 (Navassa)
*EA8	060 Canary Islands	HT	119 See YN	KP2	095 See KV4
*EA9	045 Ceuta & Melilla	HU	120 See YS	KP3	111 See KS4 (Serrana)
EA9	063 Spanish Sahara (Ifni)	*HV	035 Vatican City	*KP4	095 Puerto Rico
EB-EH	044 See EA	HW-HY	France & French Colonies	*KP6	238 Palmyra & Jarvis Islands
*EI-EJ	034 Republic of Ireland	*HZ	015 Saudi Arabia	*KP6K	238 Kingman Reef
EJ0	034 Aran Island	H3	116 See HP	KQ-KZ	See W (with listed exceptions)
EK	013 See UA (European RSFSR)	H5	071 Republic of Bophuthatswana	*KS4	111 Serrana Bank & Roncador Cay
*EL	071 Liberia	*H44	259 Solomon Islands	*KS6	235 American Samoa
EM-EO	013 See UA (European RSFSR)	*I	034 Italy	*KV4	095 Virgin Islands
*EP-EQ	009 Iran	IA-IZ	034 See I	*KW6	278 Wake, Wilkes & Peale Islands
ER	013 See UA (European RSFSR)	IA5	034 Tuscan Archipelago	*KX6	268 Marshall Islands
ES	018 See UR2	IC8	034 Capri & Ischia Islands	*KZ5	116 Canal Zone
*ET3	027 Ethiopia	IE9	034 Ustica Islands		
EU-EW	019 See UC2	IF9	034 Levanzo Island	*LA-LN	024 Norway
EX-EZ	013 See UA (European RSFSR)	IG9	038 Lampedusa Islands	LA	180 See KC4AAA
		IH9	038 Pantelleria Islands	LA	024 See LA-LN (Private)
		IM0	038 Maddalena Islands	LB	024 See LA-LN (Novice)
*F	035 France	*IS0	038 Sardinia	LF	024 See LA-LN (Business)
FA-FZ	035 See F	IT9	036 Sicily	LG	024 See LA-LN (Special)
*FB8W	151 Crozet Island	IW	034 See I (VHF & above)	LJ	024 See LA-LN (School)
*FB8X	198 Kerguelen Island	*JA	305 Japan	LO-LW	135 See LU
FB8Y	195 See KC4AAA	JB-JS	305 See J	*LU	135 Argentina
*FB8Z	249 Amsterdam & St. Paul Islands	JD	289 See 7J1	LU-Z	180 See KC4AAA
*FC	037 Corsica	*JD1	298 Ogasawara (Bonin & Volcano) Islands	*LX	033 Luxembourg
*FG7	093 French St. Martin	*JD1	289 Minami-Tori-Shima (Marcus) Island	LY	020 See UP2
*FG7	093 Guadeloupe	JR6	305 See JA (Okinawa-Ryuku)	*LZ	027 Bulgaria
*FH8	039 Mayotte	*JT1	332 Mongolia	L2-L9	135 See LU
*FK	244 New Caledonia	JT-JV	332 See JT1		
FL8	017 See JZ8	*JW	009 Svalbard & Bear Islands (Norway)	MA-MZ	British Territories
*FM7	096 Martinique	*JX	018 Jan Mayen Island (Norway)	*M1	033 San Marino
*FO	158 Clipperton Island	*JY	023 Jordan	N	See W
*FO8	214 French Polynesia	*J3A	099 Grenada & Dependencies W.I.	NA-NG	See W
*FP8	055 St. Pierre & Miquelon Islands	J4	029 See SV	NH1	250 See KB6
*F 7	034 Glorioso Island	J5	073 See CR3	NH2	285 See KG6 (Guam)
*FR7	048 Juan de Nova & Europa Islands	*J28	017 Republic of Djibouti	NH3	263 See KJ6
				NH4	280 See KM6
*FR7	026 Reunion Island	K	See W	NH5	238 See KP6 (Palmyra)
*FR7	021 Tromelin Island	KA-KG	See W (with listed exceptions)	NH5K	238 See KP6 (Kingman)
FS7	093 See FG7 (St. Martin)	KA1	See JD1	NH6	260 See KH6
FU8	246 See YJ	KA1/2/6/8	305 See JA (USA personnel)	NH7	280 See KH7
*FW8	240 Wallis & Futuna Islands	*KB6	250 Baker, Canton, Enderbury & Howland Islands	NH8	235 See KS6 (Samoa)
*FY7	099 French Guiana & Inini	*KC4	101 Navassa Island	NH9	278 See KW6
		*KC4AAA/AAF	180 Antarctica	NH0	285 See KG6R/S/T
*G	034 Great Britain	KC4USA/USZ	180 SEE KC4AAA	NI-NK	See W
GA-GZ	British Territories	*KC6	280 Eastern Caroline Islands	NL7	333 See KL7
GB	034 See G (special)	*KC6	280 Western Caroline Island	NM-NO	See W
*GD	034 Isle of Man	*KG4	099 Guantanamo Bay, Cuba	NP1	101 See KC4 (Navassa)
*GI	034 Northern Ireland	*KG6	282 Guam	NP2	095 See KV4
*GJ	037 Jersey Island	*KG6R/S/T	285 Northern Mariana Islands	NP3	111 See KS4
*GM	032 Scotland	KH1	250 See KB6	NP4	095 See KP4
*GU	037 Bailiwick of Guernsey & Dependencies	KH2	285 See KG6 (Guam)	NQ-NZ	See W
*GW	035 Wales	KH3	263 See KJ6		
G5	034 See G (reciprocal)	KH4	260 See KM6	*OA-OC	132 Peru
		KH5	233 See KP6 (Palmyra)	*OD5	023 Lebanon
*HA	027 Hungary	KH5K	238 See KP6 (Kingman)	*OE	028 Austria
*HB	034 Switzerland	*KH6	260 Hawaii	OF-OJ	018 See OH
*HB0	034 Liechtenstein	*KH7	280 Kure Island	*OH	018 Finland
*HC-HD	124 Ecuador	KH8	235 See KS6	*OH0	020 Aland Islands
*HC8	138 Galapagos Islands	KH9	278 See KW6	*OH0M	020 See OJ0
HE	034 See HB	KH0	285 See KG6R/S/T	*OJw	020 Market Reef
HF	024 See SP	KI-KK	See W (with listed exceptions)	*OK-OM	028 Czechoslovakia
HG	027 See HA	*KJ6	263 Johnston Island	OK4-0	028 See OK-OM (Special)
*HH	099 Haiti	*KL7	333 Alaska	OL	028 See OK-OM (Novice)
*HI	097 Dominican Republic	KM-KO	See W (with listed exceptions)	*ON	028 Belgium
*HJ-HK	116 Colombia			OO-OT	028 See ON
*HK0	108 Bajo Nuevo			OR	See ON (Expedition)
*HK0	123 Mapeleto Island			OR4	130 See KC4AAA
*HK0	112 San Andres & Providencia Islands			OU-OW	025 See OZ
HK0	111 See KS4 (Serrana)			*OX3	022 Greenland
HL	311 See HM (USA personnel)			OX4/5	032 See OX3 (USA personnel)
*HM	311 Korea			*OY	023 Faeroes Islands
HN	016 See YI			*OZ	025 Denmark
*HO-HP	116 Republic of Panama				
*HQ-HR	118 Honduras				

* PA	031 Netherlands	TE	119 See TI	* UL7	356 Kazakh
PB-PI	031 See PA	* TF	028 Iceland	* UM8	350 Kirghiz
* PJ	Netherlands Antilles (see below)	* TG9	120 Guatemala	UN1	018 Karelo-Finnish Republic
PJ2/9	104 Curacao	TH	French Community	* UO5	022 Moldavia
PJ3/9	104 Aruba	* TI	119 Costa Rica	* UP2	020 Lithuania
PJ4/9	103 Bonaire	* TI9	127 Cocos Islands	* UQ2	018 Latvia
PJ5/8	095 St. Eustatius (with Sint Marteen)	* TJ	061 Cameroon	* UR2	018 Estonia
PJ6/8	093 Saba Island	TK	French Community	UT5	019 See UB5
* PJ7/8	093 Sint Marteen (with St. Eustatius)	* TL8	053 Central African Republic	UV1/3/4/6	013 See UA1 (European)
PK-PO	293 See YB	TM	French Community	UV9/0	348 See UA9
PP-PX	115 See PY	* TN8	066 Congo Republic	UW1/3/4/6	013 See UA1 (European)
* PY	115 Brazil	TO-TQ	French Community	UW9/0	348 See UA9
* PY0	096 Fernando & Noronha Islands	* TR8	067 Gabon Republic	UY5	019 See UB5
* PY0	094 St. Peter & St. Paul's Rock	TS	029 See VB8	UZ3	013 See UA1 (European)
* PY0	108 Trindade & Martim Vaz Islands	* TT8	052 Republic of Chad	VA-VG	See VE
* PZ	101 Surinam	* TU	072 Ivory Coast	* VE	Canada
* P29	265 Papua New Guinea	TV-TX	French Community	* VE1	056 Sable Island
P3	024 See 5B4	* TY	066 Peoples' Republic of Benin (Dahomey)	VE1	060 See VE (New Brunswick, Nova Scotia & Prince Edward Island)
P4	100 See PJ	* TZ	068 Mali Republic	* VE1	054 St. Paul Island
P5-P9	311 See HM	U	Russian Soviet Federated Socialist Republic (RSFSR)	VH-VN	247 See VK
Q	Q-signal use only	* UA1	013 European RSFSR	* VK	247 Australia
RA-RZ	See U (R is Novice)	* UA1	003 Franz Josef Land	* VK2	239 Lord Howe Island
RA1	013 See UA1 (RSFSR)	UA1	180 See KC4AAA	* VK9	260 Mellish Reef
RA2	022 See UA2	* UA2	022 Kaliningradsk	* VK9N	237 Norfolk Island
RA3	013 See UA3	UA3	013 See UA1 (European)	* VK9X	290 Christmas Island
RA4	013 See UA4	UA4	013 See UA1 (European)	* VK9Y	296 Cocos Keeling Island
RA6	013 See UA6	UA6	013 See UA1 (European)	* VK9Z	265 Willis Islands
RA9	348 See UA9	* UA9	348 Asiatic RSFSR	VK0	180 See KC4AAA
RA0	348 See UA0	UA0	348 See UA9	* VK0	200 Heard Island
RB5	019 See UB5	* UB5	019 Ukraine	* VK0	218 Macquarie Island
RC2	019 See UC2	* UC2	019 White RSSR (Byelorussia)	VO	See VE
RD6	012 See UD6	* UD6	012 Azerbaijan	VO1	053 See VE (Newfoundland)
RF6	013 See UF6	* UF6	013 Georgia	VO2	042 See VE (Labrador)
RG6	015 See UG6	* UG6	015 Armenia	VP-VS	British Territories
RH8	001 See UH8	* UH8	001 Turkoman	* VP1	114 Belize (British Honduras)
RI8	358 See UI8	* UI8	358 Uzbek	VP2	Windward & Leeward Islands (see below)
RJ8	352 See UJ8	* UJ8	352 Tadzhik	* VP2A	094 Antigua & Barbuda, L.I.
RL7	356 See UL7	UK1	013 See UA1 (K is Club)	* VP2D	095 Dominica, W.I.
RM8	350 See UM8	UK2	019 See UC2	* VP2E	093 Anguilla, L.I.
RO5	022 See UO5	UK2B	020 See UP2	VP2G	099 See J3A
RP2	020 See UP2	UK2C	019 See UC2	* VP2K	095 St. Kitts & Nevis Islands, L.I.
RQ2	018 See UQ2	UK2F	022 See UA2	* VP2L	097 St. Lucia, W.I.
RR2	018 See UR2	UK2G	018 See UQ2	* VP2M	094 Montserrat, L.I.
SA-SI	021 See SM	UK2I	019 See UC2	* VP2S	098 St. Vincent & Dependencies, W.I.
SJ	021 See SM (Private)	UK2L	019 See UC2	* VP2V	094 British Virgin Islands, L.I.
SK	021 See SM (Club)	UK2O	019 See UC2	* VP5	094 Turks & Caicos Islands
SL	021 See SM (Military)	UK2P	020 See UP2	VP8	155 See KC4AAA
* SM	021 Sweden	UK2Q	018 See UQ2	* VP8	145 Falkland Islands
SM8	See SM (outside Sweden)	UK2R	018 See UR2	* VP8	142 South Georgia Islands (also LU-Z)
SN-SR	024 See SP	UK2S	018 See UC2	* VP8	148 South Orkney Islands (also LU-Z)
* SP	024 Poland	UK2T	018 See UR2	* VP8	152 South Shetland Islands (also LU-Z)
SSA-SSM	028 See SU	UK2W	019 See UC2	* VP8	140 South Sandwich Islands (also LU-Z)
SSN-STZ	033 See ST2	UK3	013 See UA1	* VP9	077 Bermuda
* ST2	033 Sudan	UK4	013 See UA1	* VQ9	339 Chagos Archipelago
* ST0	040 Southern Sudan	UK5A-N	019 See UB5	* VR1	253 British Phoenix Islands
* SU	028 Egypt	UK5O	022 See UO5	* VR1	253 Gilbert & Ocean Islands
* SV	029 Crete	UK5P-Z	019 See UB5	* VR3	235 Northern Line Islands (with VR7)
* SV	029 Greece	UK6	013 See UA1	VR4	250 See H44
* SV	029 Mount Athos	UK6C	012 See UD6	* VR6	192 Pitcairn Island
* SV5	028 Dodecanese Islands	UK6D	012 See UD6	VR7	235 Central & Southern Line Islands (with VR3)
SW-SZ	029 See SV	UK6F	013 See UF6	* VR8	253 Tuvalu Islands
* S2	327 Bangladesh	UK6G	015 See UG6	* VS5	297 Brunei
S6	303 See 9V1	UK6K	012 See UD6	* VS6	311 Hong Kong
S8	032 Transkei	UK6O	013 See UF6	VS0	342 See 8Q
* S9	062 Democratic Republic of St. Thomas & Principe	UK6Q	013 See UF6	* VS9K	022 Kamarian Islands
* S79	004 Republic of Seychelles	UK6V	013 See UF6	VT-VV	344 See VU2
* TA-TC	021 Turkey	UK7	355 See UL7	* VU2	344 India
TD	120 See TG	UK8H	001 See UB8		
		UK8I	358 See UI8		
		UK8J	352 See UJ8		
		UK8M	350 See UM8		
		UK8N	350 See UM8		
		UK8R	352 See UJ8		
		UK9	346 See UA9		
		UK0	348 See UA9		

*VU7	344 Laccadive Islands	*ZK1	221 North Cook Islands	5L-5M	071 See EL
*VU7	322 Nicobar & Andoman Islands	*ZK1	230 South Cook Islands (Manihiki)	*5N2	066 Nigeria
VX-VY	See VE	*ZK2	231 Niue Island	5O	066 See 5N2
VY1	See VE (Yukon)	*ZL	227 New Zealand	5P-5Q	025 See OZ
VZ	247 See VK	*ZLA	220 Auckland & Campbell Islands	*5R8	042 Madagascar (Malagasy Republic)
*W	United States of America	*ZLC	218 Chatham Island	5S	042 See 5R8
WA-WG	See W	*ZLK	229 Kermadec Island	*5T5	068 Mauritania
WH1	250 See KB6	ZL5	180 See KC4AAA	*5U7	060 Niger Republic
WH2	285 See KG6 (Guam)	*ZM7	240 Tokelau Islands	*5V	067 Togo Republic
WH3	263 See KJ6	ZN-ZO	British Territories	*5W1	236 Western Samoa
WH4	280 See KM6	*ZP	127 Paraguay	*5X5	045 Uganda
WH5	238 See KP6 (Palmyra)	ZQ	British Territories	5Y	040 See 5Z4
WH5K	238 See KP6 (Kingman)	ZR-ZU	See ZS	*5Z4	040 Kenya
WH6	260 See KH6	*ZR3	086 Southwest Africa (Namibia)	6A-6B	028 See SU
WH7	220 See KH7	*ZS	103 Republic of South Africa (But Not ZS3)	6C	023 See YK
WH8	235 See KS6 (Samoa)	ZS1ANT	180 See KC4AAA	6D-6J	126 See XE
WH9	278 See KW6	*ZS2	133 Prince Edward & Marion Islands	6K-6N	311 See HM
WH0	285 See KG6/R/S/T	ZS3	086 See ZR3	*6O	027 Somali Republic
WI-WK	See W	ZV-ZZ	115 See PY	6P-6S	354 See AP
WL7	333 See KL7			6T-6U	033 See ST
WM-WO	See W			6V	071 See 6W8
WP1	101 See KC4 (Navassa)			*6W8	071 Senegal Republic
WP2	095 See KV4			6X	042 See 5R8
WP3	See KS4 (Serrana)			*6Y5	105 Jamaica
WP4	095 See KP4			6Z	071 See EL
WQ-WZ	See W				
XA-XI	126 See XE	2A-2Z	British Territories	7A-7I	293 See YB
*XE	126 Mexico			7J-7N	305 See JA
*XF4	155 Revilla Gigedo/Sorocco	*3A	036 Monaco	*7J1	289 Okino-Tori-Shima (Marcus)
XJ-XO	See VE	3B6	011 Agalega Island (with 3B7)	*7O	022 South Yemen Republic (Kamaran Island)
XP	See OZ (Special)	3B7	013 St. Brandon Island (with 3B6)	*7P8	090 Lesotho
XP1	032 See OX3 (Special)	*3B8	014 Mauritius Island	*7Q7	060 Malawi
XQ-XR	140 See CE	*3B9	355 Rodriguez Island	7R	043 See 7X
XS	320 See BY	*3C	064 Equatorial Guinea	7S	021 See SM
*XT2	155 Voltaic Republic (Upper Volta)	*3C0	064 Annobon	7T-7Y	043 See 7X
*XU	310 Khmer Republic (Cambodia)	*3D2	240 Fiji Islands (3DN-3DZ)	*7X	043 Algeria
*XV5	308 South Vietnam	*3D6	081 Swaziland (3DA-3DM)	7Z	015 See HZ
*XW8	316 Loas Peoples' Democratic Republic	3E-3F	116 See HP		
XX	See CT1 (Portuguese Territories)	3G	140 See CE	8A-8I	293 See YB
XY	322 See XZ	3H-3U	320 See BY	8J	180 See KC4AAA (Japanese)
*XZ	322 Socialist Republic of the Union of Burma	*3V8	039 Tunisia	8J-8N	305 See JA
		3W8	316 North Vietnam	8O	080 See A2C
		*3X	074 Republic of Guinea	*8P6	097 Barbados
		3Y	180 See KC4AAA (Norwegian)	*8Q6	342 Maldiva Islands
		3Y	135 Bouvet Island (Norwegian)	*8R	101 Guyana
		3Z	024 See SP	8S	021 See SM
				8T-8Y	See VU2
*YA	357 Afghanistan			*8Z4	016 Saudi Arabia-Iraq Neutral Zone
*YB	293 Indonesia	4A-4C	126 See XE		
YC-YH	293 See YB	4B-4I	297 See DU	9A	033 See M1
*YI	016 Iraq	4J-4L	See U	9B-9D	000 See EP
*YJ	246 New Hebrides	4K1	180 See KC4AAA (Russian)	9E-9F	027 See ET3
*YK	023 Syria	4M	105 See YV	*9G1	068 Ghana
YL	018 See UQ2	4N-4O	028 See YU	*9H1	036 Malta
YM	021 See TA	4P-4R	334 See 4S7	9H4	036 Gozo Island
*YN	119 Nicaragua	*4S7	334 Sri Lanka (Ceylon)	9H5	036 See 9H1
*YO-YR	025 Romania	4T	132 See OA	9I	066 See 9J
*YS	120 El Salvador	*4U	034 ITU, Geneva, Switzerland	*9J	066 Zambia
YT	023 See YU	*4U	UN Headquarters, New York	*9K2	013 Kuwait
*YU	028 Yugoslavia	4V	099 See HH	*9L1	075 Sierra Leone
*YV	105 Venezuela	*4W	022 Yemen	*9M2	302 Federation of Malaysia (West)
*YV0	103 Aves Island	4X4	020 Israel	*9M6	295 Sabah (East Malaysia)
YZ	028 See YU	4Y	International Civil Aviation Organization	9M8	306 Sarawak
Y2-9	027 See DM (Y3 is Club)	4Z4	020 See 4X4	*9N1	108 Nepal
				9O-9T	000 See 9Q5
*ZA	050 Albania	*5A	040 Libyan Arab Republic	*9Q5	066 Republic of Zaire (Congo)
ZB-ZJ	British Territories	*5B4	024 Cyprus	*9U5	052 Burundi
*ZB2	048 Gibraltar	5C-5G	051 See CN	*9V1	033 Republic of Singapore
ZC4	024 See 5B4	5H1	043 Zanzibar	9W	008 See 9M2
*ZD7	035 St. Helena Island	*5H3	042 Tanzania	*9X	060 Rwanda
*ZD8	069 Ascension Islands	5I	042 See 5H3	*9Y4	109 Prnder & Tobago Islands
*ZD9	116 Tristan da Cunha & Gough Islands	5J-5K	116 See HK		
*ZE	057 Zimbabwe (Rhodesia)				
*ZF	104 Cayman Islands				
ZK-ZM	See ZL				

Hobbies Fair - June 1980

PLEASE REMEMBER THAT FROM 23rd TO 28th JUNE, 1980, THE PORT ELIZABETH AND ALGOA BRANCHES WILL BE TAKING PART TOGETHER IN THE HOBBIES FAIR TO BE HELD AT THE FEATHER MARKET HALL. MEMBERS WILL BE NEEDED TO HELP WITH THE ERECTION AND DECORATION OF THE STALL ON SUNDAY 22nd AND IF ANYONE HAS ANY HOMEBUILT EQUIPMENT OR ANY EQUIPMENT OF ESPECIAL INTEREST TO LEND THE STALL, OR WORLD MAPS, PREFERABLY AMATEUR MAPS, OR QSL CARDS WHICH YOU WILL NOT WANT BACK AGAIN, PLEASE LET US HAVE THESE. IMPORTANT: PEOPLE WILL BE REQUIRED TO MAN THE STAND DURING THE AFTERNOONS AND EVENINGS OF THOSE DATES, NOT ONLY FOR OPERATING THE STATION, BUT MORE PARTICULARLY IN THE ROLE OF PUBLIC RELATIONS, AS WE WISH TO SHOW AMATEUR RADIO IN A FAVOURABLE LIGHT TO THE PUBLIC, PARTICULARLY SINCE C.B. RADIO HAS COME TO SOUTH AFRICA, THERE WILL BE MORE INTEREST THAN EVER. HOPE TO SEE YOU ALL THERE - REMEMBER IT CAN ONLY DO AMATEUR RADIO GOOD.

I would like to thank Brian ZS2AB for his article for last month's QSX, also Dudley ZS2AW for the items received recently - they will be used, Dudley, and also to Selwyn ZS2SS and Peter ZR2CJ for the new call signs. Please keep the articles rolling in - remember it is your Newsletter - help to make it more interesting for all those hundreds who read it - in case you didn't know, it is sent to Headquarters and all the other Branches of the League.

12 STEPS IN TRANSISTOR REPLACEMENT - This is the first part of a course in transistor troubleshooting and replacement.

By Homer L. Davidson - with thanks to CQ Magazine.

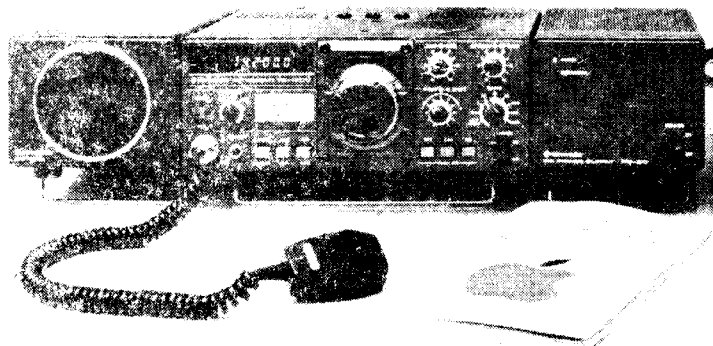
Transistor replacement is just as important as rising each morning to go to school or work. There are certain things you must do each morning to make yourself presentable, efficient and have a good day. The same applies to removing and replacing a defective transistor. You must do things methodically, just and correct or the unit will not perform. In this article we show you how to remove, test and replace the defective transistor in minutes.

STEP NO. 1 - THE BEGINNING. Before the defective transistor can be replaced, we must locate the correct one. It's best not to dig into the chassis before we know where we are going. The defective transistor may be located with logic, reasoning, correct test equipment and a schematic diagram. After isolating the defective transistor, we must remove and test it out of the circuit. Now, before replacement, we must obtain the original or a universal replacement. When replacing, extra care must be exercised in locating the correct terminal holes and soldering. So let's get started.

Sorry to keep you fold in suspense! No more space - so watch the press for the next exciting and interesting installment.

 **KENWOOD**

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