

VE3CRK
 Ralph Day
 454 Holcan Ave.
 Oshawa, ON
 L1G 5X6

91

REPEATER

P.O. BOX 171

OSHAWA ONT. L1H 7L

DRC/91

NSARC
 SPARKS

President	Richard Button	VE3RJB	725-7150	Club Historian	Mike Sherba	VE3DKW	723-7674
Secretary	Fred Bengel	VE3TIG	576-4839	Emerg. Coordinator	Margaret Jeffery	VE3BNN	725-1238
Treasurer	greg Schatzmann	VE3GJS	576-4655	Rochester Bus Trip	Fred Bengel	VE3TIG	576-4839
Prog. Director	Peter Johns	VE3WWZ	723-9049	Nonquon Canoe Races	Glen Goslin	VE3LIZ	725-1545
Vice President	Margaret Jeffery	VE3BNN	725-1238	Handicapped Ride	Ray Zambonelli	VE3OUB	723-2167
Registrar	Keith Wyard-Scott	VE3GDP	723-5758	Santa Clause Parade	Ralph Day	VE3CRK	576-8738
Special Events	Ralph Day	VE3CRK	576-8738	Flea Market	George Burns	VE3INB	579-0007
Get Well Cards	Colin Bell	VE3CEU	723-7842	Club Inventory	Doug Barnes	VE3WJR	357-2342
2 Meter Net	Roy Miller	VE3AAF	852-5447	CNE & Field Day	Greg Schatzmann	VE3GJS	576-4655
Lists & Labels	Paul Dale	VE3LHZ	434-6741	2 METER NET CONVENES EVERY THURSDAY NIGHT AT 7:00 ON THE CLUB REPEATER VE3OSH. AS PART OF THE REGULAR AGENDA BERNIE VE3ATI PROVIDES CODE PRATICE FROM 8:30 UNTIL 9:30, EXCEPT FOR JULY AND AUGUST WHEN BERNIE HAS A HOLIDAY.			
Course Instructor	Rick Gibson	VE3ASH	434-2886				
Auditor	Harry Westwood	VE3QG	683-5104	THE MONTHLY CLUB MEETING IS HELD AT THE ART & RESOURCES CENTER IN OSHAWA ON THE SECOND MONDAY NIGHT OF THE MONTH REGARDLESS OF HOLIDAYS.			
Bulletin Editor	Victor Doty	VE3LNX	983-5831				
Fox Hunts	Victor Doty	VE3LNX	983-5831				
Club Station		VE3NSR					
Club Repeater	VE3OSH		147.120				
Harry's Repeater	VE3NAA		443.000				

THE NEXT MEETING WILL BE HELD ON
 DECEMBER 9 1991 AT 8:00 PM
 AT THE ARTS AND RESOURCES CENTER
 The Annual Christmas Social Get
 Together

The December meeting is the anual and very popular social evening consisting of a very good selection of cheeses and other delicious things to munch on while you socialize with some of your friends that you may not have seen for some time, so plan to come out and enjoy a pleasant evening ragchewing with a lot of new hams and possibly a fair big turn out of the students taking the class with VE3ASH Rick. So I am hoping that there is going to be a good turn out for the Christmas party.

The Santa Clause Parade

The 1991 Santa Clause Parade will be held on Nov .23 and again this year the N.S.A.R.C. will provide communications for the parade. There will be five or six different locations through out the parade route that will be manned by an operator from the N.S.A.R.C. who will have an official judge from the parade committee with them, the operator will relay the information given them by the judges to the headquarters where all info will be processed and the float winners can then be determined, and all this will have occurred by the time the last float is back at the starting point, when this was handled by the parade committee as it used to be a few years ago it would be late afternoon or possible evening by the time all the judges made their way back to the headquarters, turned their results over to the people looking after the sorting of the information and the actual processing of the information. So it sure makes life easier for the parade committee to have all the results processed by the parade is over with the help of approximately 12 hams, so when you are asked to help out, if at all possible give it a shot, there is nothing difficult and besides you get a front row seat for the whole parade.

Fleamarket Personnel Required

Well it looks like it is that time again to start rounding up bodies to help with the fleamarket. People are going to be required for parking and security so any one that will be willing to help will be very much appreciated, and they can contact yours truly **VE3LNX** who is in charge of security or **Mike VE3DKW** who is in charge of parking or **George VE3INB** who is fleamarket coordinator. If sufficient people do not volunteer then I will be using the club roster to make a list of names and do some canvassing, and believe me I can be very convincing.

Membership Renewal Time Again

I am enclosing a sheet again this month to fill out a list of equipment that you may have available in case of emergency so if you are interested in becoming involved in any emergency operations please fill out the form and return it with the membership renewal form. As mentioned on the membership renewal form, the January issue will be your last issue for the year, so if you don't want to miss any issues mail in the renewal form early.

Jamboree On The Air

I am pleased to inform you of **N.S.A.R.C.**'s first adventure into the **Jamboree On The Air** in quite a number of years was a hit with various club members, local scout leaders and most important about 100 Scouts, Cubs, Beavers, Girl Guides and Brownies. Our club station, **VE3NSR**, was on the air from **Camp Samac Saturday, October 19.** and we operated on 40, 20, 15 and 2 meters. We were able to establish contact with a sizeable number of Amateurs and other **JOTA** stations across North America. Most of the kids were quite anxious to get on the air and chat to the other Scouts, and the ones who were reluctant soon lost their mic shyness. Hopefully, down the road somewhere, one or two of the kids will be prompted to explore Amateur Radio further and get their licence.

My thanks to all those who helped out with manpower, equipment or both. Thanks go to **VE3CRK Ralph, VE3YPQ Norm, VE3WWZ Peter, VE3BTR Tom, VE3BNN Margaret, VE3AJY Dave** and **VE3LIZ Glen**, also a round of applause should go out to **VE3RJB Richard** for getting the ball rolling and doing a lot of the instal organizing. The Scout leaders are very enthusiastic about **N.S.A.R.C.** participating on a bigger and better scale next fall.....See you then!

73, Greg Schatzmann VE3GJS

Election Results

The election of club executive was held at the Nov. meeting, there were 3 positions open, Treasurer, Secretary and President. **VE3DKW Mike** has had two terms as treasurer (4 yr) **VE3LCZ Andy** has other things pending (2 yr) and **VE3RJB Richard** (2 yr) term was up. The new executive consists of **VE3TIG Fred, VE3GJS Greg** and **VE3RJB Richard** who said he would stand for another 2 yr. term, so a hearty thanks to the out going executive for a job well done and another hearty welcome to the new crew.

Required Reading Material

If anyone has access to the CARF November issue page 8, there is a very good article in there concerning OUR HAM BANDS called "The Future of Amateur Radio in Canada". The article deals with some of the problems that we face today, the biggest problem is the shrinking ham population.

If anyone is interested in this article and can't acquire a copy of it please let me or VE3LIZ Glen know and we will try and have a sufficient supply at the Christmas meeting.

Photos For The Bulletin

Anyone who has any old black and white photos of club functions, field days, club pictures, or any club function, they all would be appreciated, I will try and put them in the bulletin if they will copy reasonably well. All photos will be returned with in 30 days ± a couple.

Amateur Radio Display At The Library

Unfortunately by the time you will receive this it will nearly be all over but Margaret VE3BNN has engineered a display of radio equipment at the Oshawa library for the month of November. The intent behind this is to give Amateur radio some exposure. Anyone who has the time I am sure that they will enjoy the display at the Oshaws Public Library, I believe that the display will over around the first of December.

Lack Of Items For Sale

I am trying to get a for sale column going in case no one noticed, so unless you send me some items to publish in the for sale page you are going to have to put up with my listings, so lets get those shelves cleaned off and back in circulation again.

Last Months Trivia Answer

Last months trivia question was "in what year was the first circuit board used". The answer is: 1945, and the circuit board was used in the mass production of the tiny radio proximity fuse for mortar shells developed by the National Bureau Of Standards. This information is available in the RADIOTRON DESIGNERS HAND BOOK 1953 EDITION.

This Months Trivia Question

In what year was the first public announcement of the transistor?

For Sale Or Trade Or Wanted

Wanted Old frequency meters, the older the better
contact VE3DKW Mike 416-723-7674.

For Sale 903 MHZ 33 el. loop yagies only 4 left at \$55.00 each.
contact VE3LNX Victor 416-983-5831.

For Sale Model 28 Teletype, remote printer, tube type RTTY converter, tuning osciloscope, model 15 tape reader, all for a paltry \$50.00 cash & carry. contact VE3FRM Ed Taylor 416-985-3790.
(wear your truss)

For Sale Mirage 50 mhz amp like new, 150 watts, \$350.00
contact VE3LNX Victor 416-983-5831.

For Sale ICOM AT-500 auto tuner 1000 watts PEP \$450.00
contact VE3FJC Walter 416-263-2338.

For Sale Diawa 70cm amp 3w in 30w out SSB/FM \$125.00
contact VE3LNX Victor 416-983-5831.

For Sale 6146-A & B's all checked on good tester \$25.00 pair
contact VE3LNX Victor 416-983-5831.

For Sale Heath SB620 analyzer 455-if, good shape \$120.00
contact VE3LIZ Glen 416-725-1545.

For Sale 4CX250B's 10 new tubes asking \$35.00 each or 4 for \$120.00
contact VE3LNX Victor 416-983-5831.

For Sale Plumbers Delight kilowatt amp for 2m/pair 4CX250/no supply \$100
contact VE3CXX Clare 416-433-8937.

For Sale YO-100 monitor scope asking \$195.00 with manual
contact VE3LNX Victor 416-983-5831.

For Sale PK64/HFM64 for Packet Radio asking \$150.00 very little use
contact VE3KSY Lew 416-430-7687.

For Sale Cushcraft D4 10-40 meter rotatable dipole new \$325.00
contact VE3DKW Mike 416-723-7674.

For Sale Microwave Modules 50 mhz transverter, 10 watts \$450.00
contact VE3LNX Victor 416-983-5831.

For Sale IC-402 70cm portable 3 watts SSB and CW \$225.00
contact VE3LNX Victor 416-983-5831.

For Sale Hy-Gain 402-BA 2 el. beam for 40 meters \$350.00
contact VE3LNX Victor 416-983-5831

For Sale Armaco desk mic, wired for YAESU at present \$35.00
contact VE3LNX Victor 416-983-5831.

For Sale Heath HM-102 pwr/swr meter comes with manual \$25.00
contact VE3LIZ Glen 416-725-1545.

For Sale 2C39, 3CX100 tubes, 25 new tubes, \$17.00 each or 4 for \$50.00
contact VE3LNX Victor 416-983-5831.

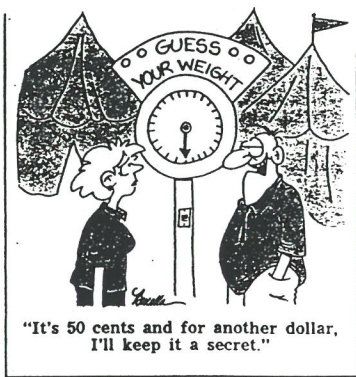
* THOUGHT FOR TODAY *

Success is to be measured not so much by the position that one has reached in life as by the obstacles that they have overcome while trying to succeed.

Booker T. Washington

Bet You Didn't Know

Walter Chrysler was president of the Buick Division of General Motors. When he left GM, he sold his stock for about \$10 million and used the money to start Chrysler Corporation.



Items For The Bulletin

After a year of looking at the PK232 packet controller that sat on the shelf over my desk I decided to dust it off and give it a try, I still am not sure of what I am doing by times, but if you have anything for me to put in the bulletin you can do so by leaving any mail for me at VE3INP or in my mailbox VE3LNX-1 which is up at all times.

Time For 1992 Membership Renewal

FULL MEMBERSHIP - \$15.00 cdn. Includes full voting privileges and monthly news bulletin for one calendar year (Jan. to Dec.).

ASSOCIATE MEMBERSHIP - \$10.00 cdn. Includes bulletin only and a hearty welcome to all meetings.

2ND FAMILY MEMBERSHIP - \$5.00 cdn. Includes full voting privileges when associated with a full membership, but no monthly bulletin (assumed living in the same house).

To join send cheque or money order in care of VE3GDF Keith Wyard-Scott, the registrar, at his home, 298 Dover Street, Oshawa, Ontario L1G 6G6 (preferably) or N.S.A.R.C., P.O. Box 171 Oshawa, Ontario L1H 7L1.

Name _____ Call _____

Street & Number _____

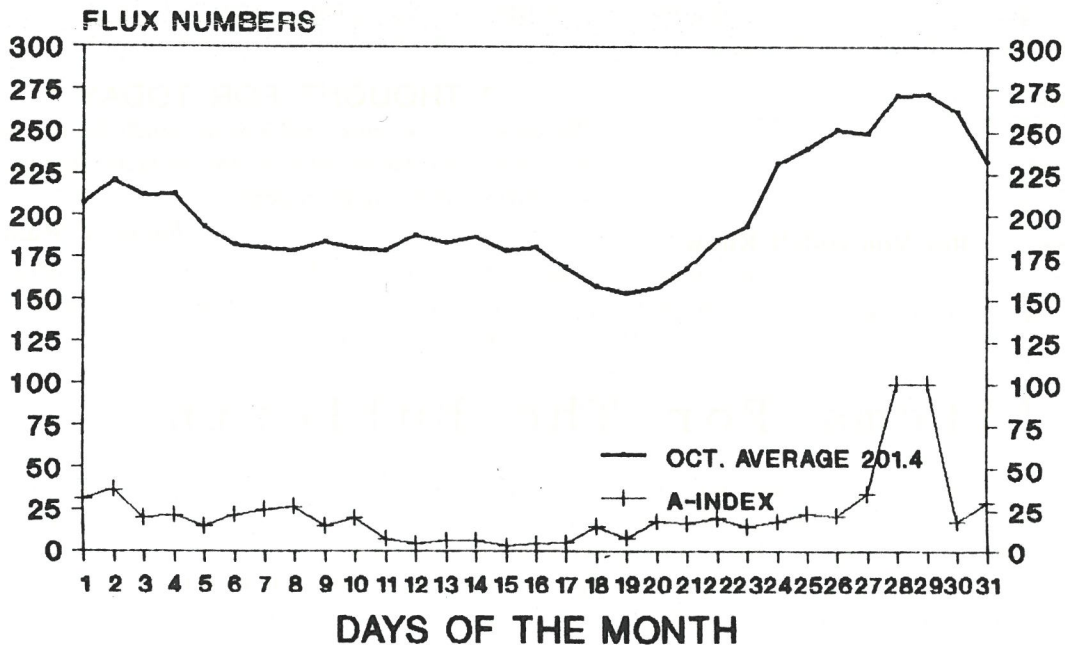
Postal or zip code _____ Phone _____

Membership-Full _____ Associate _____ Family _____ Total \$ _____

Donations for repeater fund amount \$ _____ (if you desire)

No bulletins will be received after January 1992 if membership is not renewed by January 15 1992.

OCTOBER 1991



NORTH SHORE AMATEUR RADIO CLUB

EQUIPMENT AND AVAILABILITY FOR EMERGENCY SERVICE

EQUIPMENT	RF POWER	POWER SUPPLY	MODE
VHF BASE	110AC	12DC BATTERY	SSB CW FM PACKET
" MOBILE	110AC	12DC BATTERY	SSB CW FM PACKET
" HT	110AC	12DC BATTERY	SSB CW FM PACKET
UHF BASE	110AC	12DC BATTERY	SSB CW FM PACKET
" MOBILE	110AC	12DC BATTERY	SSB CW FM PACKET
" HT	110AC	12DC BATTERY	SSB CW FM PACKET
HF BASE	110AC	12DC BATTERY	SSB CW FM PACKET
" MOBILE	110AC	12DC BATTERY	SSB CW FM PACKET

ANTENNAS

VHF	BEAM	WIRE ANT.	OTHER.....
UHF	BEAM	WIRE ANT.	OTHER.....
80M	BEAM	WIRE ANT.	OTHER.....
40M	BEAM	WIRE ANT.	OTHER.....
20M	BEAM	WIRE ANT.	OTHER.....
15M	BEAM	WIRE ANT.	OTHER.....
10M	BEAM	WIRE ANT.	OTHER.....

EMERGENCY POWER

BATTERY BANKS.....
 GENERATOR.....
 OTHER.....

EMERGENCY AVAILABILITY NEVER EVENINGS WEEKDAYS WEEKENDS
 ANYTIME

NAME: _____ CALL: _____
 ADDRESS: _____ PHONE: _____

Send completed form to: NSARC P.O. Box 171 Oshawa, Ont., L1H 7L1

North Shore Amateur Radio Club Jackets

We have arranged the availability of custom made jackets for our club. The jackets have a red cotton outer layer, domed cuffs (what I call shirt sleeve cuffs), a drawstring waist, cargo pockets (so your valuables don't fall out), a lay down collar (once again like on a shirt), and the club logo/name embroidered on the front. We have arranged to have two models available, one with a silk lining for summer and the other with a quilted lining for spring, fall, and those not so cold winter days. Since these are to be custom make we can handle any unusual fitting needs.

To order your jacket(s) please fill in the following form and send it by December 12 to Richard Button
 342 Lorindale Drive
 Oshawa Ontario
 L1H 6X4

Name: _____ Call: _____

Address: _____

City: _____

Postal Code: _____ Phone Number: _____

(prices include club logo/name embroidery and all taxes)

Summer Jacket	Size	S	M	L	XL	_____	\$64.00
Summer Jacket	Size	S	M	L	XL	_____	\$64.00
Summer Jacket	Size	S	M	L	XL	_____	\$64.00
Quilted Jacket	Size	S	M	L	XL	_____	\$73.00
Quilted Jacket	Size	S	M	L	XL	_____	\$73.00
Quilted Jacket	Size	S	M	L	XL	_____	\$73.00

Total \$ _____

(Make check payable to North Shore Amateur Radio Club)
 (Please allow aprox 8 weeks for delivery)

Special fitting requirements:

Neck: _____ Chest: _____

Arm (neck to cuff): _____ Arm (biceps): _____

Waist: _____ Back (neck to jacket bottom): _____

Other _____

TABLE OF ALLOCATION OF INTERNATIONAL CALL SIGN SERIES

As Issued by the International Telecommunications Union and Others

AAA-ALZ	United States of America	TIA-TIZ	Costa Rica	6AA-6BZ	Egypt
AMA-AOZ	Spain	TJA-TJZ	Cameroon	6CA-6CZ	Syria
APA-ASZ	Pakistan	TKA-TKZ	France	6DA-6JZ	Mexico
ATA-AWZ	India	TLA-TLZ	Central African Republic	6KA-6NZ	Rep. of Korea (South)
AXA-AXZ	Australia	TMA-TMZ	France	6OA-6OZ	Somalia
AYA-AZZ	Argentina	TNA-TNZ	Congo	6PA-6SZ	Pakistan
BAA-BZZ	China	TOA-TQZ	France	6TA-6UZ	Sudan
CAA-CEZ	Chile	TRA-TRZ	Gabon	6VA-6WZ	Senegal
CFA-CKZ	Canada	TSA-TSZ	Tunisia	6XA-6XZ	Madagascar
CLA-CMZ	Cuba	TTA-TTZ	Chad	6YA-6YZ	Jamaica
CNA-CNZ	Morocco	TUA-TUZ	Ivory Coast	6ZA-6ZZ	Liberia
COA-COZ	Cuba	TVA-TXZ	France	7AA-7IZ	Indonesia
CPA-CPZ	Bolivia	TYA-TYZ	Benin	7JA-7NZ	Japan
CQA-CUZ	Portugal	TZA-TZZ	Mali	7OA-7OZ	South Yemen
CVA-CXZ	Uruguay	UAA-UQZ	Union of Soviet Socialist Rep.	7PA-7PZ	Lesotho
CYA-CZZ	Canada	URA-UTZ	Ukrainian Soviet Socialist Rep.	7QA-7QZ	Malawi
DAA-DRZ	Fed. Rep. of Germany (West)	UUA-UZZ	Union of Soviet Socialist Rep.	7RA-7RZ	Algeria
DSA-DTZ	South Korea	VAA-VGZ	Canada	7SA-7SZ	Sweden
DUA-DZZ	Philippines	VHA-VNZ	Australia	7TA-7YZ	Algeria
EAA-EHZ	Spain	VOA-VOZ	Canada	7ZA-7ZZ	Saudi Arabia
EIA-EJZ	Ireland	VPA-VSZ	Great Britain & No. Ireland	8AA-8IZ	Indonesia
EKA-EKZ	Union of Soviet Socialist Rep.	VTA-VWZ	India	8JA-8NZ	Japan
ELA-ELZ	Liberia	VXA-VYZ	Canada	8OA-8OZ	Botswana
EMA-EOZ	Union of Soviet Socialist Rep.	VZA-VZZ	Australia	8PA-8PZ	Barbados
EPA-EQZ	Iran	WAA-WZZ	United States of America	8QA-8QZ	Maldives Is.
ERA-ESZ	Union of Soviet Socialist Rep.	XAA-XIZ	Mexico	8RA-8RZ	Guyana
ETA-ETZ	Ethiopia	XJA-XOZ	Canada	8SA-8SZ	Sweden
EUA-EWZ	Byelorussian SSR	XPA-XPZ	Denmark	8TA-8YZ	India
EZA-EZZ	Union of Soviet Socialist Rep.	XQA-XPZ	Chile	8ZA-8ZZ	Saudi Arabia
FAA-FZZ	France	XSA-XSZ	China	9BA-9BZ	Iran
GAA-GZZ	Great Britain & No. Ireland	XTA-XTZ	Voltaic Republic	9EA-9FZ	Ethiopia
HAA-HAZ	Hungary	XUA-XUZ	Cambodia	9GA-9GZ	Ghana
HBA-HBZ	Switzerland	XVA-XVZ	Vietnam	9HA-9HZ	Malta
HCA-HDZ	Ecuador	XWA-XWZ	Laos	9IA-9JZ	Zambia
HEA-HEZ	Switzerland	XXA-XXZ	Portugal	9KA-9KZ	Kuwait
HFA-HFZ	Poland	XYA-XZZ	Burma	9LA-9LZ	Sierra Leone
HGA-HGZ	Hungary	YAA-YAZ	Afghanistan	9MA-9MZ	Malaysia
HHA-HHZ	Haiti	YBA-YHZ	Indonesia	9NA-9NZ	Nepal
HIA-HIZ	Dominican Republic	YIA-YIZ	Iraq	9OA-9TZ	Zaire
HJA-HKZ	Colombia	YJA-YJZ	Vanuatu	9UA-9UZ	Burundi
HLA-HLZ	Rep. of Korea (South)	YKA-YKZ	Syria	9VA-9VZ	Singapore
HMA-HMZ	Dem. People's Rep. of Korea (North)	YLA-YLZ	Union of Soviet Socialist Rep.	9WA-9WZ	Malaysia
HNA-HNZ	Iraq	YMA-YMZ	Turkey	9XA-9XZ	Rwanda
HOA-HPZ	Panama	YNA-YNZ	Nicaragua	9YA-9ZZ	Trinidad and Tobago
HQA-HRZ	Honduras	YOA-YZZ	Romania	A2A-A2Z	Botswana
HSA-HSZ	Thailand	YSA-YSZ	El Salvador	A3A-A3Z	Tonga
HTA-HTZ	Nicaragua	YTA-YUZ	Yugoslavia	A4A-A4Z	Oman
HUA-HUZ	El Salvador	YVA-YYZ	Venezuela	A5A-A5Z	Bhutan
HVA-HVZ	Vatican City State	YZA-YZZ	Yugoslavia	A6A-A6Z	United Arab Emirates
HWA-HYZ	France	ZAA-ZAZ	Albania	A7A-A7Z	Qatar
HZA-HZZ	Saudi Arabia	ZBA-ZJZ	Great Britain & No. Ireland	A8A-A8Z	Liberia
IAA-IZZ	Italy	ZKA-ZMZ	New Zealand	A9A-A9Z	Bahrain
JAA-JSZ	Japan	ZNA-ZOZ	Great Britain & No. Ireland	C2A-C2Z	Nauru
JTA-JVZ	Mongolia	ZPA-ZPZ	Paraguay	C3A-C3Z	Andorra
JWA-JXZ	Norway	ZQA-ZQZ	Great Britain & No. Ireland	C4A-C4Z	Cyprus
JYA-JYZ	Jordan	ZRA-ZUZ	South Africa-Namibia	C5A-C5Z	The Gambia
JZA-JZZ	Indonesia	ZVA-ZZZ	Brazil	C6A-C6Z	Bahamas
KAA-KZZ	United States of America	2AA-2ZZ	Great Britain & No. Ireland	C7A-C7Z	World Meteorological Organization
LAA-LNZ	Norway	3AA-3AZ	Monaco	C8A-C9Z	Mozambique
LOA-LWZ	Argentina	3BA-3BZ	Mauritius	D2A-D3Z	Angola
LXA-LXZ	Luxembourg	3CA-3CZ	Equatorial Guinea	D4A-D4Z	Cape Verde
LYA-LYZ	Union of Soviet Socialist Rep.	3DA-3DM	Swaziland	D5A-D5Z	Liberia
LZA-LZZ	Bulgaria	3DN-3DZ	Fiji	D6A-D6Z	Comoros
MAA-MZZ	Great Britain & No. Ireland	3EA-3FZ	Panama	D7A-D9Z	South Korea
NAA-NZZ	United States of America	3GA-3GZ	Chile	H2A-H2Z	Cyprus
OAA-OCZ	Peru	3HA-3UZ	China	H3A-H3Z	Panama
ODA-ODZ	Lebanon	3VA-3VZ	Tunisia	H4A-H4Z	Solomon Is
OEA-OEZ	Austria	3WA-3WZ	Vietnam	H6A-H7Z	Nicaragua
OFA-OJZ	Finland	3XA-3XZ	Guinea	H8A-H9Z	Panama
OKA-OMZ	Czechoslovakia	3YA-3YZ	Norway	J2A-J2Z	Djibouti
ONA-OTZ	Belgium	3ZA-3ZZ	Poland	J3A-J3Z	Grenada
OUA-OZZ	Denmark	4AA-4CZ	Mexico	J4A-J4Z	Greece
PAA-PIZ	Netherlands	4DA-4IZ	Philippines	J5A-J5Z	Guinea Bissau
PJA-PJZ	Netherlands Antilles	4JA-4LZ	Union of Soviet Socialist Rep.	J6A-J6Z	St. Lucia
PKA-POZ	Indonesia	4MA-4MZ	Venezuela	J7A-J7Z	Dominica
PPA-PYZ	Brazil	4NA-4OZ	Yugoslavia	J8A-J8Z	St. Vincent and the Grenadines
PZA-PZZ	Surinam	4PA-4SZ	Sri Lanka	L2A-L9Z	Argentina
QAA-QZZ	Q Signals	4TA-4TZ	Peru	P2A-P2Z	Papua New Guinea
RAA-RZZ	Union of Soviet Socialist Rep.	4UA-4UZ	United Nations	P3A-P3Z	Cyprus
SAA-SMZ	Sweden	4VA-4VZ	Haiti	P4A-P4Z	Netherlands Antilles
SNA-SRZ	Poland	4WA-4WZ	North Yemen	P5A-P9Z	Dem. People's Rep. of Korea (North)
SSA-SSM	Egypt	4XA-4XZ	Israel	S2A-S3Z	Bangladesh
SSN-STZ	Sudan	4YA-4YZ	Intl. Civil Aviation Org.	S6A-S6Z	Singapore
SUA-SUZ	Egypt	4ZA-4ZZ	Israel	S7A-S7Z	Seychelles
SVA-SZZ	Greece	5AA-5AZ	Libya	S9A-S9Z	Sao Tome & Principe
TAA-TCZ	Turkey	5BA-5BZ	Cyprus	T2A-T2Z	Tuvalu
TDA-TDZ	Guatemala	5CA-5GZ	Morocco	T3A-T3Z	Kiribati
TEA-TEZ	Costa Rica	5HA-5IZ	Tanzania	T4A-T4Z	Cuba
TFA-TFZ	Iceland	5JA-5KZ	Colombia	T5A-T5Z	Somalia
TGA-TGZ	Guatemala	5LA-5MZ	Liberia	T6A-T6Z	Afghanistan
THA-THZ	France	5NA-5OZ	Nigeria	T7A-T7Z	San Marino
		5PA-5QZ	Denmark	V2A-V2Z	Antigua
		5RA-5SZ	Madagascar	V3A-V3Z	Belize
		5TA-5TZ	Mauritania	V4A-V4Z	St. Christopher and Nevis
		5UA-5UZ	Niger	V8A-V8Z	Brunei
		5VA-5VZ	Togo	Y2A-Y9Z	German Dem. Republic (East)
		5WA-5WZ	Western Samoa	Z2A-ZZZ	Zimbabwe
		5XA-5XZ	Uganda		
		5YA-5ZZ	Kenya		