

## Ten year ham license extension not automatic

Amateurs receiving new or modified FCC licenses after June 8, 1994, should carefully note their expiration date. Only new, first licenses or specific renewals have a full 10 year term.

Amateur license upgrades, changes of address, call sign, or name are processed with the original expiration date intact. That is, they are not automatically extended for 10 years.

The FCC, using new computer software recently installed, is processing amateur licenses in this manner to conform with the way in which it processes all other Private Radio Service licenses.

The FCC currently recommends that amateurs submit license renewal applications 60 to 90 days before their expiration date. The Commission said it intends to eventually mail license expiration notices to amateurs. In the meantime, the ARRL is sending license expiration notices to ARRL members, along with an FCC Form 610 and a return envelope to the FCC's licensing division in Gettysburg, PA.

## More power to Brits

Power restrictions in Great Britain have been lifted on parts of the 1.8 and 50 MHz bands, according to the Radio Society of Great Britain. Antenna and effective radiated power (ERP) restrictions no longer apply on 50 MHz.

Holders of the amateur class A license may use 400 Watts from 1.81 to 1.85 MHz, removing the power restriction on 1.81 to 1.83 MHz. The power limit for 1.85 to 2.0 MHz remains at 10 Watts.

(Continued on page 4)

## Marconi's widow dies at 94

The Marchesam Cristina Bezzi Scalig, Marconi's widow, died on July 15, 1994 in Rome. The Marquise was 94 years old. She was married to Guglielmo in 1927. During her very long widowhood, (1937-1994) she was always Ambassadors of the Italian Science at the International Congresses about Telecommunications.

She used to be in Civitavecchia, near Rome, because the yacht "Elettra" was often anchored in the harbor, equipped with a complete wireless laboratory, for G. Marconi, "Father of Radio."

It was here her daughter, Elettra, came into the world. The Cardinal Eugeni Pacelli, who was to become Pope Pius XII baptized Elettra, whose Godmother was Elena DiSavoia, Queen of Italy.

A mass was held on July 18th in the Andrew Delle Fratte's Church in Rome. The Cardinal Pietro Palazzini celebrated the ceremony along with some Bishops from the Sovereign Military Order of Malta, too. The Marquise was Lady-in-Waiting of the S.M.O.M.

Attending the funeral and mass in addition to Cristina's daughter were Princess Giovanelli, the son-in-law, Charles, and the grandson Guglielmo.

The daughter, Elettra will continue the work of her tireless mother especially in the coming "1995 Year of Guglielmo Marconi," the centennial anniversary of the first wireless telegraph.



# ARES Report

Walt Piroth, N3BKW  
ARES EC Washington County



I recently received a report from Jeff Yates of the Washington County EMA concerning the Beaver Valley Power Station drill. Jeff received the report from Ron Killins of the PEMA Harrisburg office.

The three page report had this to say about our communications help. Under "Emergency Operations Center" heading; "The communications support appeared to be adequate and all systems were maintained operational during the exercise. Messages were distributed by a staff member to all personnel on a very timely basis. RACES PROVIDED EXCELLENT COMMUNICATIONS SUPPORT." Under "Reception and Mass Care Centers", the only

comment was that a RACES Operator and communications person were present.

Thanks to Jeff for providing the report. If anyone is interested in reading the entire report give me a call or wait until the next meeting."

The following letter appeared in the Pittsburgh Post Gazette a few months ago and I thought it was very interesting. Does anyone else have an experience like this?

"During the early March snowstorm I came to a shocking discovery. Many cellular carriers promote their product as a great tool during an emergency. The advertising scenario goes like this: "The wife is driving at night with two children, the car breaks down, help is

only a cellular call away."

The problem I found during the storm was that when a major emergency occurs, the system cannot handle the load. (This was true of both Bell Atlantic and Cellular One Systems). During emergencies land-line telephones also become overtaxed.

The real problem I have is the use of cellular phones by emergency-service agencies. Many, many emergency-service organizations have installed cellular equipment in their vehicles for use during emergencies or disasters. After evaluating the situation during the storm, I realized that the cellular phones in emergency vehicles could not get an open line either.

I am a firefighter in my community. I responded to a fire alarm the day of the storm. We attempted to use the phone to make some routine calls, however all we got was the "all circuits are busy" message, the same as all of the poor souls

sitting in traffic trying to tell their families they were fine.

It is true that emergency vehicles are equipped with two-way radios. You must realize that the cellular phone has the advantage of relaying large amounts of information, which is not a good practice via two-way radio because you tie up a frequency which is being used by many people at the scene of the disaster.

(See ARES - continued on page 5)

## WACOM Committee Phone Directory

A.R.E.S.	Walt Piroth, N3BKW	746-2327
RACES	Bob Ketzell, KB3IN	228-0425
EMA	Dave Smith, N3LIK	225-0346
MARS	Jack Kelvington, K3DMY	223-3219
President	Dave DeMotte, N3IDH	228-8178
Vice President	Joe Stout, KA3MZS	228-1090
Secretary	Tom Fox, KA3NIY	223-9666
Treasurer	Russ Burhenn, N3NEL	222-4037
Education	Jim Burtoft, KC3HW	228-0546
2mtr Net Mgr.	Norm Torisky, N3KLR	745-6154
10mtr Net Mgr.	Joe Musante, WB3GTE	223-0897
Newsletter Editor	Jim McNutt, NW3X	941-5159
Repeater	Sam Mayberry, W3CYO	222-0367
VE Testing	Stan Cole III, NX3P	223-0104

## New Members

Bryan French  
Bob Neitzelt, N3SDR



## Writer's column brings ham wrath

*Editor's note: The following is a reply to a column written by Bob Pease in the April issue of Electronic Design.*

You owe a profound apology to approximately 600,000 radio amateurs in the United States for the remarks you made about them in your April Fool's Day piece in the April 4th Pease Porridge column.

You were right when you said, "...ham radio guys are always inventing and equipment so they're prime targets for pranksters." But you missed the mark a mile when you went on to describe how "many hams" built the 50 ohm dummy load described by Tom Kneitel in his 1969 article in S9 Magazine.

First of all, S9 was a publication aimed at citizens banders and ham wannabees, not at hams. The real ham publications available then were QST (the widely respected and often quoted journal of the American Radio Relay League), 73 (an independent magazine aimed largely at gadget builders), Ham Radio (a technically-oriented magazine written by mostly engineers), and CQ (written then, as now, for hams who like contesting and DXing).

Now you may not be aware of the difference between citizen banders (CBers) and hams, so let me give you a few of the highlights:

- In 1966, hams, even at the lowest beginning level, were required to pass federally

supervised examinations covering technical subjects (resistors, inductors, and capacitors in series/parallel, resonance, antennas, governmental rules and regulations, propagation and operating procedures. They also had to demonstrate the ability to send and receive Morse code at 5 words per minute. Higher-class amateur licenses had more difficult tests and faster code (13 WPM or 20 WPM). CBers in 1966 only had to apply for a license. Today, hams are still rigorously tested before earning their licenses. CBers are not even required to have licenses.

- To obtain my Technician Class license (one step above bottom) back in 1959, I was required (among other things) to draw from memory the schematic of a push-pull twin triode power amplifier with the link-coupled input and output: and cross coupled neutralization. Could RAP have done that at age 17? Could he do it today?

- Hams are allowed to operate on any frequency within their many bands (some are hundreds of megahertz wide). CBers are allowed to operate on only 40 specific frequencies in the 27 MHz band.

- Hams are permitted to transmit using up to 1500 watt PEP output; CBers are limited to 10 watt PEP.

- Hams are allowed to utilize many different modes of communications: AM, FM, PM,

SSB, code, slow-scan TV, fast-scan TV, fax, teletype, packet data, and spread spectrum. CBers are permitted only voice, using AM or SSB.

- Hams are permitted to build and operate mountain-top VHF repeaters to extend the range of their handheld or mobile radios; CBers may not. Hams are allowed to design build, launch, and operate their own satellites (there are several in orbit as we speak); CBers...well sorry.

- Hams have gathered world-wide acclaim for selflessly donating millions of man-hours every year to provide the public with emergency communications in fires, floods, hurricanes, war, and earthquakes.

I could go on at length, but perhaps by now you get the idea. And while I suppose it's possible that a few hams might have been fooled by the S9 article (just as one engineer was taken in by the BD-1 article), it seems unlikely that "many hams" would be taken in by a pretty obvious gag in a CB magazine. More likely, the victims were naive CBers who had never heard of a dummy load.

**Reply: Okay, I should have said "several CB guys and a few hams" were fooled into building the dummy load. I'm sorry!**

## WACOM

General meeting

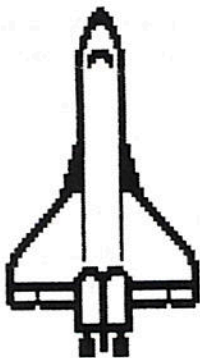
August 4th 7:30PM

South Strabane Fire Dept. #2  
East Malden St. in Pancake



## SAREX Apollo 11 Special Event

In commemoration of the twenty-fifth anniversary of the Apollo 11 mission, the STS-65 SAREX station on board the Space Shuttle Columbia operated as a special event station from 1713 UTC, July 19 until 1343 UTC, July 21. Unscheduled voice contacts were made when the crew was available.



The SAREX station joins at least 12 other amateur stations associated with the National Aeronautics and Space Administration in commemorating the landing of the Apollo Moon Lander, the Eagle, on the moon's surface in 1969. Contacts made during the event will be eligible for a special commemorative certificate. Please send your report and QSL with a large 9-inch by 12-inch self-addressed stamped-envelope to the ARRL Educational Activities Department, STS-65 Apollo Special Event, 225 Main Street, Newington, CT 06111.

SAREX operated split-frequency. The downlink, or receive frequency for all SAREX activities was 145.55 MHz. The uplink, or transmit frequencies for voice were 144.91, 144.93, 144.95, 144.97 and 144.99 MHz. The worldwide packet uplink frequency is

144.49 MHz.

Crew call signs for voice were Commander Robert Cabana, KC5HBV and Mission Specialist Donald Thomas, KC5FVF. The packet call sign

was W5RRR-1. W5RRR is the call sign of the Johnson Space Center Amateur Radio Club which supports SAREX flight activities and hardware aboard the space shuttles.

### more power to Brits (continued from page 1)

Holders of the full amateur class A and B licenses may now run up to 400 Watts between 50 and 51 MHz. The maximum permitted power between 51 and 52 MHz is still 100 Watts. The ERP and antenna height restrictions have been removed from the whole of the 50 to 52 MHz band, allowing the use of any antenna, and maritime mobile operation is now permitted on 50 MHz.

In addition, all UK amateurs are now required to noti-

fy their local Radio Investigation Service Office of unattended digital operation. The RSGB said this additional restriction was necessary following "a number of problems" with unattended operation. "the procedure is far less onerous than that required for a repeater or beacon on a hilltop site, and requires only the agreeing of suitable emergency close-down procedures," the RSGB said.

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## Denny Mumper directs massive job at Trinity Middle school



Denny listens as pilot of skycrane briefs ground personnel before lifting off to begin job.

"Be there by 7AM or you won't get in," Denny said to me on the phone. The township police would close off the area after 7AM as instructed.

Upon arrival it was obvious who was in charge - Denny! The helicopter arrived an hour late but quickly set to work removing a heat exchange unit from atop the school and quickly replacing it with a new unit. Turnaround time was less than 4 minutes. In a matter of hours all 25 units had been removed, stacked on waiting flatbed trailers and new ones set in place.

A steady rain didn't hamper crews that worked atop the school and on the ground. Denny, with radio in hand, kept a close watch on the operation.



Denny waits for return of skycrane to pick up next the heat exchange unit on the ground.

## ARES

(continued from page 2)

In addition, cellular phones allow direct communication with various specialists not on the scene.

This letter is not intended in any way to be a shot at etc. The report seems correct from there.

**ARES Section News:** Randy Krofick AA3CI has resigned as Section Emergency Coordinator. His business is demanding more and more of his time. The new SEC is Bill Edgar N3LLR. Bill lives in Bradford, PA. And our new ARES District S-1 Coordinator is Sam Sarraf, N3MDP. Sam lives in Greensburg, PA.

Bill has started an "ARES Section News" Newsletter. It is very well done and I will also bring a copy of it to the next meeting.

## Radio tech bulletin is now available

Chrysler has issued a new TSB (Technical Service Bulletin) - TSB, Number 08-31-94, titled: "Radio Communications Equipment Installation Recommendations", covers installation in 89-95 Chrysler/Dodge/Plymouth/Jeep/Eagle cars and Dodge trucks.

Contact your local Chrysler Corp. auto dealer's service department for specifics concerning your individual vehicle. It is a thorough, 5-page document and will probably answer all your questions.

# WACOM Calendar of Events for August 1994

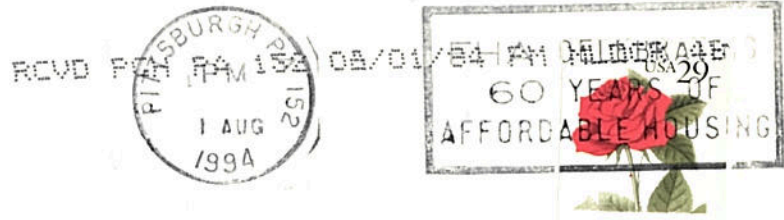
TUESDAY		THURSDAY		SATURDAY/SUNDAY	
DATE	2 Mtr NCS	10 Mtr NCS			
2	N3KDP	KA3VOM	4 WACOM Meeting	6/7	Washington County Fair
9	N3PCE	KD3VX		13/14	
16	KA3RNM	WB3GTE		20/21	
23	AA3FN	W3IBT		28/28	
30	N3KLR	WB3GTE			

**Tuesday** 8:30 PM - 2 Mtr Net 145.49/443.3/224.4  
**Tuesday** 9:00 PM - 10 Mtr Net - 28.340MHz  
**Sunday** 9:00 AM - RACES Western PA Net - 3990.5KHz  
**Sunday** 7:30PM - ARES Western PA Net - 147.609  
**Skywarn Nets** - K3PSP/R - 146.79MHz  
**Digipeaters** (WASHPA - 145.01)  
**Club BBS** - KA3UWW on 145.05  
**County Simplex Frequency** - 147.495

14-20 - Washington County Fair

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**Washington Amateur Communications**  
**WACOM**  
**P.O.Box 1386**  
**Washington, PA. 15301**



**First Class**

**Mail to:**

FAY FRANKENBERY, KA3VOM  
 KEITH & DAVE FRANKENBERY, KD3RZ  
 362 LINNWOOD ROAD  
 EIGHTY FOUR, PA. 15330

*146.865*  
*100 tone*



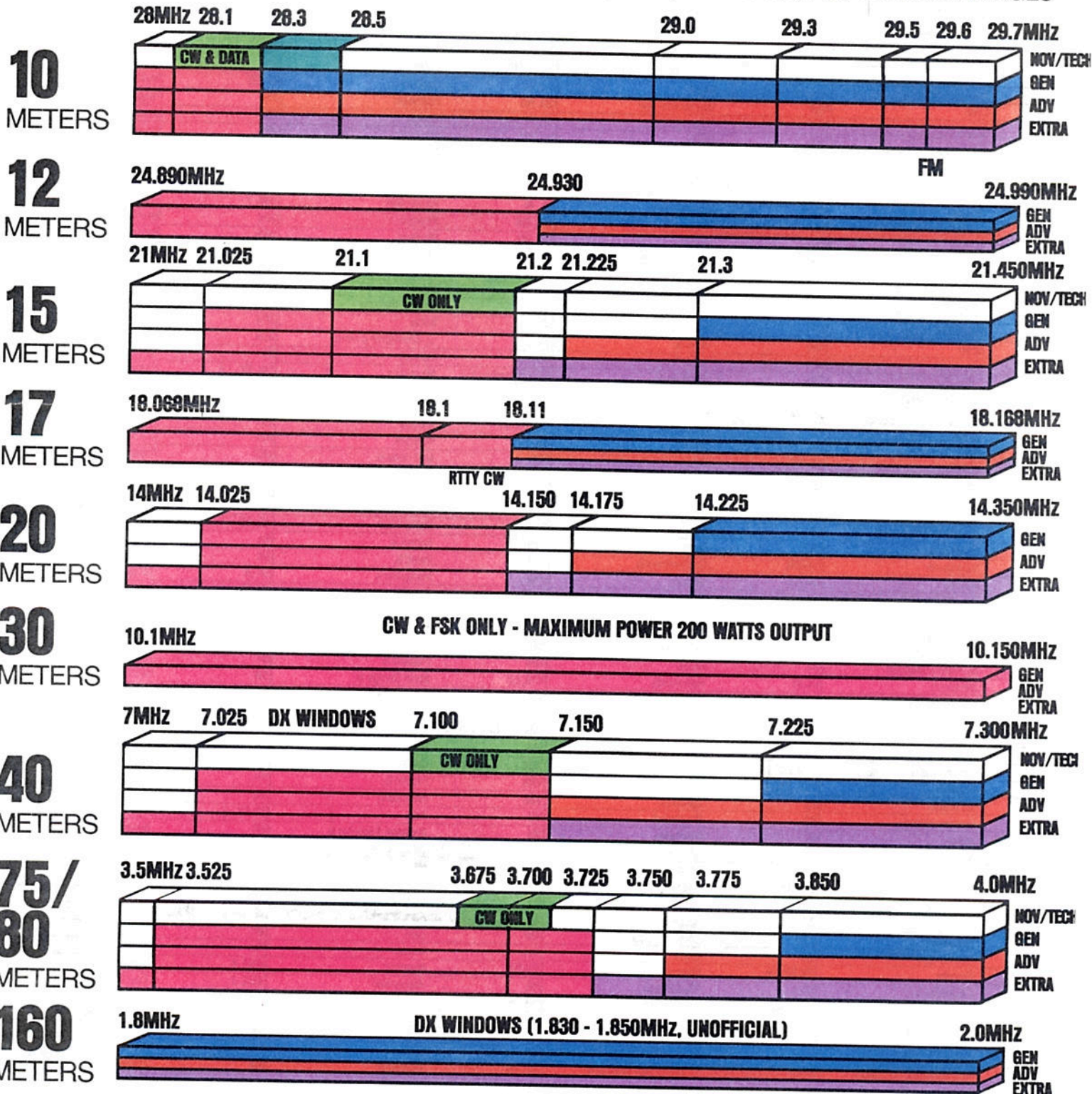


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Gordon West, WB6NOA,  
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# Amateur Radio HF Band Limits

**ICOM**

■ NOVICE/TECHNICIAN PLUS, CW ONLY   
 ■ NOVICE/TECHNICIAN PLUS, VOICE   
 ■ GENERAL VOICE, CW, SSTV, FAX  
■ ADVANCED VOICE, CW, SSTV, FAX   
 ■ EXTRA VOICE, CW, SSTV, FAX   
■ CW, FSK   
 NO PRIVILEGES





# COMMON PREFIXES OF DXCC COUNTRIES

PREFIX	COUNTRY	PREFIX	COUNTRY	PREFIX	COUNTRY	PREFIX	COUNTRY
A2	Botswana	HS	Thailand	T7	San Marino	YV-YY	Venezuela
A3	Tonga	HV	Vatican	TA-TC	Turkey	YV0	Aves Is.
A4	Oman	HZ, 7Z	Saudi Arabia	TF	Iceland	Z2	Zimbabwe
A5	Bhutan	I	Italy	TG, TD	Guatemala	ZA	Albania
A6	United Arab Emirates	ISO, IM0	Sardinia	TI, TE	Costa Rica	ZB2	Gibraltar
A7	Qatar	J2	Djibouti	TI9	Cocos Is.	ZC4	UK Sov. Base on Cyprus
A9	Bahrain	J3	Grenada & Dep.	TJ	Cameroon	ZD7	St. Helena
AP-AS	Pakistan	J5	Guinea-Bissau	TK	Corsica	ZD8	Ascension Is.
BV	Taiwan	J6	St. Lucia	TL	Central African Republic	ZD9	Trstan da Cunha & Gough Is.
BY, BT	China	J7	Dominica	TN	Congo	ZF	Cayman Is.
C2	Nauru	J8	St. Vincent & Dep.	TR	Gabon	ZK1	So. Cook Is.
C3	Andorra	JA-JS, 7J-7N	Japan	TT	Chad	ZK1	No. Cook Is.
C5	The Gambia	JD1	Minami Torishima	TU	Ivory Coast	ZK2	Niue
C6	Bahamas	JD1	Ogasawara	TY	Benin	ZK3	Takelau Is.
C8-9	Mozambique	JT-JV	Mongolia	TZ	Mali	ZL-ZM	New Zealand
CE, XQ	Chile	JW	Svalbard	UA1, 3, 4, 6, 4K3	European Russian R.S.F.S.R.	ZL7	Chatham Is.
CE9/KC4/VP8	Antarctica, etc.	JX	Jan Mayen	UA2	Kaliningrad	ZL8	Kermadec Is.
CE0, XQ0	Easter Is.	JY	Jordan	UA8, 9, 0, 4K4	Asiatic R.S.F.S.R.	ZL9	Auckland & Campbell Is.
CE0, XQ0	San Felix	K, W, N, AA-AK	United States of America	UB, UT, UY	Ukraine	ZP	Paraguay
CE0, XQ0	Juan Fernandez	KC6 (W. Caroline Is.)	Belau	UC, RC	Byelorussia	ZR-ZU	South Africa
CM, CO	Cuba	KG4	Guantanamo Bay	UD, RD	Azerbaijan	ZS1	Penguin Is.
CN	Morocco	KH1	Baker, Howland	UF, RF	Georgia	ZS8	Marion Is.
CP	Bolivia	KH2	Guam	UG, RG	Armenia	ZS9	Walvis Bay
CT	Portugal	KH3	Johnston Is.	UH, RH	Turkmenistan	1A0	Sov. Mil. Order of Malta
CT3	Madeira Is.	KH4	Midway Is.	UI, RI	Uzbekistan	1S	Spratly Is.
CU, CT2	Azores	KH5	Palmyra, Jarvis Is.	UJ, RJ	Tadzhikistan	3A	Monaco
CV-CX	Uruguay	KH5K	Kingman Reef	UL, RL	Kazakhstan	3B6, 7	Agalega & St. Brandon
CY9, VE1	St. Paul Is.	KH6	Hawaiian Is.	UM, RM	Kirghizia	3B8	Mauritius
CY0, VE1	Sable Is.	KH7	Kure Is.	UO, RO	Moldavia	3B9	Rodriquez Is.
D2, 3	Angola	KH8	American Samoa	LY	Lithuania	3C	Equatorial Guinea
D4	Cape Verde	KH9	Wake Is.	YL	Latvia	3C0	Pagalu Is.
D6	Comoros	KH0	Mariana Is.	ES	Estonia	3D2	Figi Is.
DA-DL, Y2-9	Fed. Rep. of Germany	KL7	Alaska	V2	Antigua, Barbuda	3D2	Banaba
DU-DZ	Philippines	KP1	Navassa Is.	V3	Belize	3D2	Conway Reef
EA-EH	Spain	KP2	Virgin Is.	V4	St. Christopher & Nevis	3DA	Swaziland
EA6-EH6	Balearic Is.	KP4	Puerto Rico	V5	Namibia	3V	Tunisia
EA8-EH8	Canary Is.	KP5	Desecheo Is.	V6 (E. Caroline Is.)	Micronesia	3W, XV	Vietnam
EA9-EH9	Ceuta and Melilla	LA-LN	Norway	V7	Marshall Is.	3X	Guinea
EI-EJ	Ireland	LO-LW	Argentina	V8	Brunei	3Y	Bouvet
EL	Liberia	LX	Luxembourg	VE, VO, VY	Canada	3Y	Peter Is.
EP-EQ	Iran	LZ	Bulgaria	VK	Australia	4J1	M.V. Island
ET	Ethiopia	OA-OC	Peru	VK9	Lord Howe Is.	4K2	Franz Josef Land
F	France	OD	Lebanon	VK9	Willis Is.	4P-4S	Sri Lanka
FT-W	Crozet	OE	Austria	VK9	Christmas Is.	4U	I.T.U. Geneva
FT-X	Kerguelen Is.	OF-OI	Finland	VK9	Cocos-Keeling Is.	4U	Hdqtrs. United Nations
FT-Z	Amsterdam & St. Paul Is.	OH0	Aland Is.	VK9	Mellish Reef	4X, 4Z	Israel
FG	Guadeloupe	OJ0	Market Reef	VK9	Norfolk Is.	5A	Libya
FJ, FS	Saint Martin	OK-OM	Czechoslovakia	VK0	Heard Is.	5B	Cyprus
FH	Mayotte	ON-OT	Belgium	VK0	Macquarie Is.	5H-5I	Tanzania
FK	New Caledonia	OX	Greenland	VP2E	Anguilla	5N-5O	Nigeria
FM	Martinique	OY	Faroe Is.	VP2M	Montserrat	5R-5S	Madagascar
FO	Clipperton Is.	OZ	Denmark	VP2V	Brit. Virgin Is.	5T	Mauritania
FO	French Polynesia	P2	Papua New Guinea	VP5	Turks & Caicos Is.	5U	Niger
FP	St. Pierre & Miquelon	P4	Aruba	VP8	Falkland Is.	5V	Togo
FR G	Glorioso Is.	PA-PI	Netherlands	VP8, LU	South Georgia Is.	5W	Western Somoa
FR J, E	Juan de Nova, Europa	PJ2-4, P4	Neth. Antilles	VP8, LU	South Orkney Is.	5X	Uganda
FR	Reunion	PJ5-8	St. Martin, Saba, St. Eustatius	VP8, LU	South Sandwich Is.	5Y-5Z	Kenya
FR/T	Tromelin	PP-PY	Brazil	VP8, LU, CE9, HF0, 4K1	South Shetland Is.	6V-6W	Senegal
FW	Wallis & Futuna Is.	PY0, ZY0	Fernando de Noronha	VP9	Bermuda	6Y	Jamaica
FY	French Guiana	PY0, ZY0	St. Peter & St. Paul Rocks	VQ9	Chagos	70	Yemen
G, GX	England	PY0, ZY0	Trinidad & Martin Vaz. Is.	VR6	Pitcairn Is.	7P	Lesotho
GD, GT	Isle of Man	PZ	Suriname	VS6	Hong Kong	7Q	Malawi
GI, GN	Northern Ireland	S2	Bangladesh	VU	India	7T-7Y	Algeria
GJ, GH	Jersey	S7	Seychelles	VU	Andaman & Nicobar Is.	8P	Barbados
GM, GS	Scotland	S9	Sao Tome & Principe	VU	Laccadive Is.	8Q	Maldivo Is.
GU, GP	Guernsey & Dep.	S0	Western Sahara	XA-XI	Mexico	8R	Guyana
GW, GC	Wales	SA-SM	Sweden	XA4-X14	Revilla Gigedo	9G	Ghana
H4	Solomon Is.	SN-SR	Poland	XT	Burkina Faso	9H	Malta
HA, HG	Hungary	ST	Sudan	XU	Kampuchea	9I-9J	Zambia
HB	Switzerland	ST0	Southern Sudan	XW	Laos	9K	Kuwait
HB0	Liechtenstein	SU	Egypt	XX9	Macao	9L	Sierra Leone
HC-HD	Ecuador	SV-SZ, J4	Greece	XY-XZ	Myanmar	9M2, 4	West Malaysia
HC8-HD8	Galapagos Is.	SV/A	Mount Athos	YA	Afghanistan	9M6, 8	East Malaysia
HH	Haiti	SV5, J45	Dodecanese	YB-YH	Indonesia	9N	Nepal
HI	Dominican Republic	SV9, J49	Crete	YI	Iraq	9Q-9T	Zaire
HJ-HK	Colombia	T2	Tuvalu	YJ	Vanuatu	9U	Burundi
HK0	Malpeo Is.	T30	W. Kiribati (Gilbert Is.)	YK	Syria	9V	Singapore
HK0	San Andreas & Providencia	T31	C. Kiribati (Brit. Phoenix Is.)	YN, HT	Nicaragua	9X	Rwanda
HL	Korea	T32	East Kiribati (Line Is.)	YO-YR	Romania	9Y-9Z	Trinidad & Tobago
HO-HP	Panama	T33	Banaba Island	YS	El Salvador		Abu Ail, Jabal At Tair
HQ-HR	Honduras	T5	Somalia	YT-YU, YZ	Yugoslavia		