

*the*  
**Groundwave**  
*February*  
*January*

1971



A PUBLICATION OF  
THE OTTAWA AMATEUR RADIO CLUB

GROUNDWAVE is the official bulletin of the Ottawa Amateur Radio Club, a noncommercial association of radio amateurs devoted to the promotion of interest in amateur radio communication and experimentation in the Ottawa regional area, and to the advancement of technical competence and achievement of club members.

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OTTAWA AMATEUR RADIO CLUB EXECUTIVE, 1970-71

Pres: Larry Emmerson VE3GGA 883 Dunlevie 728-7307  
V.P.: George Roach VE3BNO 103 Strathcona 234-0385  
Sec: Dick Bonnycastle VE3FUA 810 Edgeworth 728-8655  
Treas: Gord Grant VE3DY 2050 Balharrie 733-4892  
Directors: Jack Bassil VE3YT 2061 Lenester 722-8457  
Bill Ross VE3GDW 50 Selkirk 746-4973  
John Morton VE3ALK 1055 Cameo Dr. 225-2540

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Check into the  
Capital City F.M. 2 Meter Net  
Time - 2000 hrs. each Monday Evening  
Frequency - 146.460 in and 146.940 out  
via the VE2CRA Repeater

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CLUB MEETINGS

The Ottawa Amateur Radio Club holds regular meetings on the first Wednesday of each month for the months of September through June. The meetings are normally held at the National Research Council Auditorium, Sussex Drive, Ottawa, Ontario.

Visitors are always welcome so come along and meet the boys and girls.

Place: National Research Council, Sussex Drive

Date: February 3rd, 1971

Time: 8:00 p.m. Local Time

Program: To be arranged  
Other business

MINUTES OF THE OARC MEETING

Wednesday, January 6, 1971

The first meeting of the new year opened with about sixty members present but due to various reasons President Larry Emmerson was the only official who was able to make it. This led to a cry for a volunteer to act as scribe, and VE3CDC, aroused from a nap in a comfortable sixth row pew by the cry of "Here's Doug?", inadvertently and involuntarily said "Here", and was hustled to the front and a pencil and paper thrust into his hands. The results follow.

The business session included an exposition by Shep, VE3DV, on the simulated emergency test to be held January 30 and 31. It embraces an earthquake and tidal wave situation in the Toronto-Hamilton area. Considerable dummy traffic has been spread around, of which a large amount will be in and out of the Ottawa area. The Canadian coordinator is Trev Hagan, VE3BMC.

A special meeting is to be convened on January 26 to hear Doug Blakesly of ARRL give a talk on antennas. The NRC auditorium will not be available for this gathering and the time and place will be announced on the local nets.

Larry outlined a budget for 1971, which reflects his occupation and skills as a government administrator and planner. With Micawber-like accounting the total income is noted at \$975; total outgo \$960.

As a matter of interest, money received from our "mini-auctions" at the monthly meetings goes to the CNIB radio projects. If you have something to donate, bring it along. Later, in the spring there will be a full-scale auction of donated gear, with proceeds going to the same projects.

Visitors were VE3ASU, EMB, ESE, ASO and FJN.

Coffee and cookies and the usual rag chew ended the evening, after an interesting talk by VE3SU.

Banner Edwards, VE3SU, President of the Radio Society of Ontario, was introduced by our own President. Banner spoke to us on the various affairs of RSO, and in particular its relationship to our own club, which, as the largest in Ontario and being in the national capital, is in a unique position to assist the Society in ham radio matters.

One project which RSO has underway is to ask Ontario clubs and individual amateurs to write to RSO with their views on the proposal by the Canadian Amateur Radio Federation (CARF) to petition DOC for a new class of amateur experimental license. CARF has asked the provincial bodies associated with it to submit comments on this proposal which would permit individuals who could pass the technical and theoretical part of the present advanced examination, BUT WITH NO MORSE CODE REQUIRED, to operate in the bands above 30 MHz, including a segment of the 144 band, with a three year non-renewable license. The club is expected to produce such a comment shortly but Banner would also like to hear from anyone (in writing) who has a year or nay position on this subject.

Banner pointed out that in the past the RSO has assumed a "trustee" role for CARF due to the problem encountered by CARF in finding a full slate of officers. In addition RSO provided a mailing team for the CARF newsletter. He hopes that RSO can relinquish these roles shortly when CARF can operate

under its own steam, but the Society won't "dump" CARR if help is still needed.

Other projects in which PSO are engaged include assistance to blind operators--a program in which a number of Ottawa operators are prominent.

There are 110 Society members in the PSO Ottawa District, which has four delegates to the Society. Banner himself is a Lisgar Collegiate graduate and obtained his license in 1938, after which he operated many years here in Ottawa as VE3PD. He thus takes more than a passing interest in the amateur activities in the Ottawa area.

The remainder of the program for the evening consisted of a musical soiree during which numerous well-known and soul-stirring works were played. Among these were the triumphal march from aida, Elgarr's "Pomp and Circumstance", Heberts "Babes in Toyland", Tschichovsky's "1812 Overture", a bit from Bizet, and concluded by a rousing rendition of "Marche Militaire". All of this was accompanied by a similarly soul-stirring video spectacle provided by a number of slides showing, in ever-living colour, the step-by-step assembly of a kit of bricks and steel to make a new home for OST magazine and to provide some room to house ARRL officials.

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FOR SALE

Heathkit Model RX-1 "Mohawk" Amateur-band Receiver.

Covers all amateur bands from 160 thru 10 meters. Covers 11 meter band which permits CB listening, and has calibrated dials for 6 and 2 meters when used with external converter outtuning 22 to 26 MHz. Uses double conversion, and has a Tee-notch filter providing selectivity in steps of 5, 3, 2, 1, 0.5 kHz. CW-SSB-AM detectors. Includes 100 kHz. Crystal Calibrator. This is a very sensitive receiver which has been recently overhauled and realigned.

A particularly excellent receiver for the beginning amateur.

Price: \$125.00

Contact: Jim Dean, VE3DRV, 1752 Laxton Crescent.  
Weekends only, at 225-2014.  
Demonstrations easily arranged.

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NOTICE

The Ottawa Valley Mobile Radio Club Inc. invites hams to participate in the Pot Hole Net on 3760 kHz at 10:00 EST each Saturday and Sunday morning.

The Saturday net features the very popular Swap Service where you may list equipment which you wish to sell or trade. All equipment is listed for a period of one month and those wishing to make use of the service should contact Ed Morgan, VE3GX, telephone 733-1721 or for those living beyond the Ottawa telephone exchange contact Ed on the air on 3760 kHz or on 146.940 MHz.

The Swap service is also featured on the Capital City 2 Meter Net on Monday evenings at 8 p.m. local time via the VE2CRA repeater.

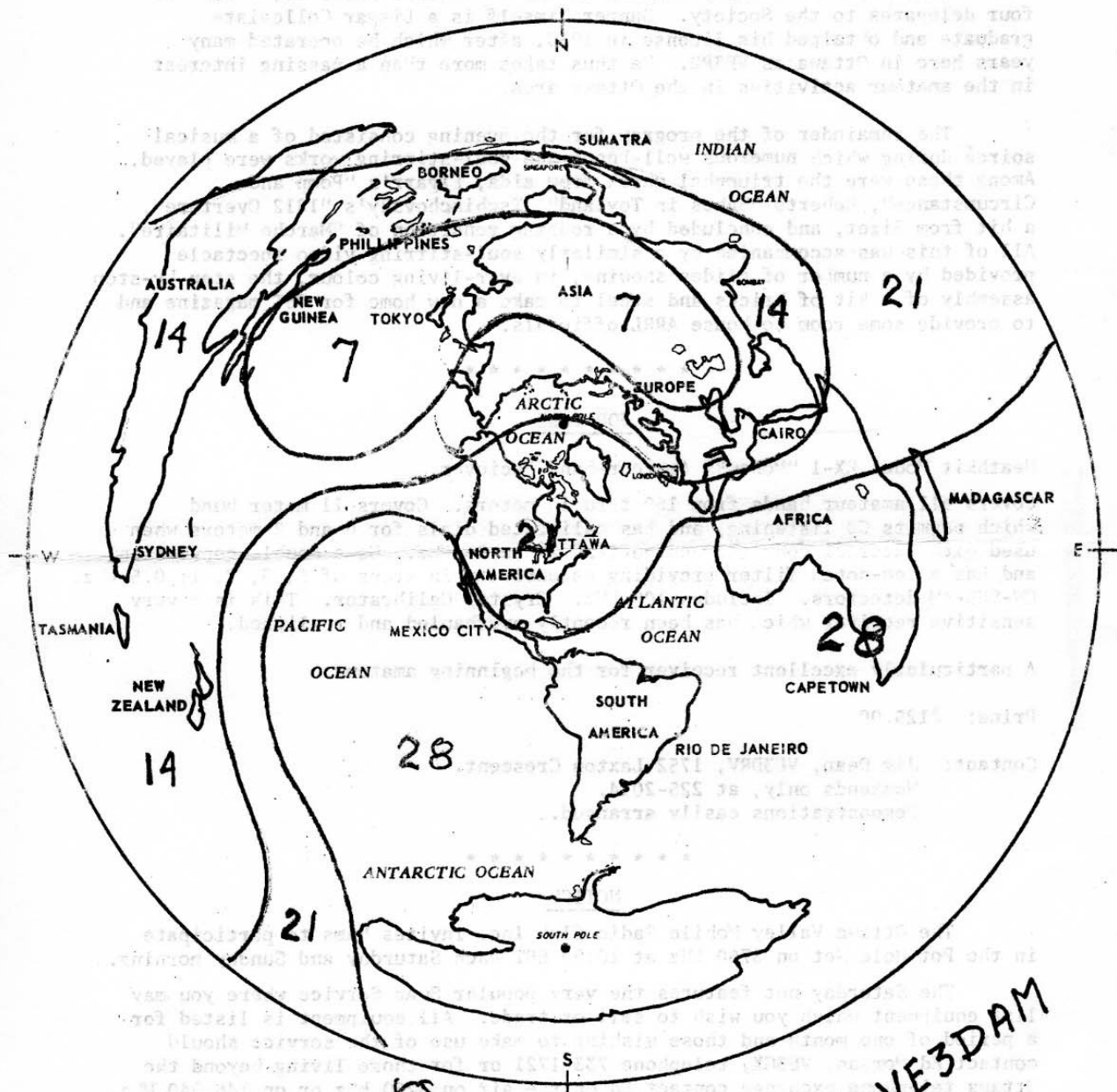
These nets also provide a "wanted" service for those who are looking for equipment and so the next time you want some gear try the Net Services and call Ed Morgan.

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FEB 1971 = 1800 GMT

**AZIMUTHAL EQUIDISTANT PROJECTION OF THE WORLD**

(POLE OF PROJECTION AT OTTAWA)



VE3DAM

1300 EST

FEB 1971 - 0000 GMT  
CONTEST CALENDAR  
by Jim Dean, VE3DRV

ARRL NOVICE ROUNDUP

6-21 February 0001 GMT 6 Feb. to 2359 GMT 21 Feb.  
For rules see January QST.

ARRL DX CONTEST

Phone: 6-7 February and 6-7 March.  
0000 GMT Saturday to 2359 GMT Sunday.  
CW: 20-21 February and 20-21 March.  
0000 GMT Saturday to 2359 GMT Sunday.

For rules see December 70 QST. Log forms, summary sheets, and check off sheets are available from ARRL. Send large s.a.s.e.

YL-OM CONTEST

Phone: 27-28 February  
1800 GMT Saturday to 1800 GMT Sunday.  
CW: 13-14 March  
1800 GMT Saturday to 1800 GMT Sunday.

See CQ Magazine for January 71 and QST for December.

FRENCH DX CONTEST

Phone: 27-28 February  
1400 GMT Saturday to 2200 GMT Sunday.  
CW: 30-31 January  
1400 GMT Saturday to 2200 GMT Sunday.

It's the world working the French in Europe as well as their territorial territories. For complete rules see December 1970 CQ Magazine.

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NEWS ITEM

GB35X 10 meter beacon operates on 28.185 MHz with ID each minute on CW. The antenna is a 3 element beam North on Monday to Friday with an Omni on Saturday and Sunday.

DLØAR on CW with beam north 0-8 minutes  
Omni 8-10 repeating on 29,000 MHz

Reception reports of these stations would be much appreciated by VE3QB and if someone would phone me (829-3407) I would very much like to listen in for a few minutes to any beacons heard on ten meters.

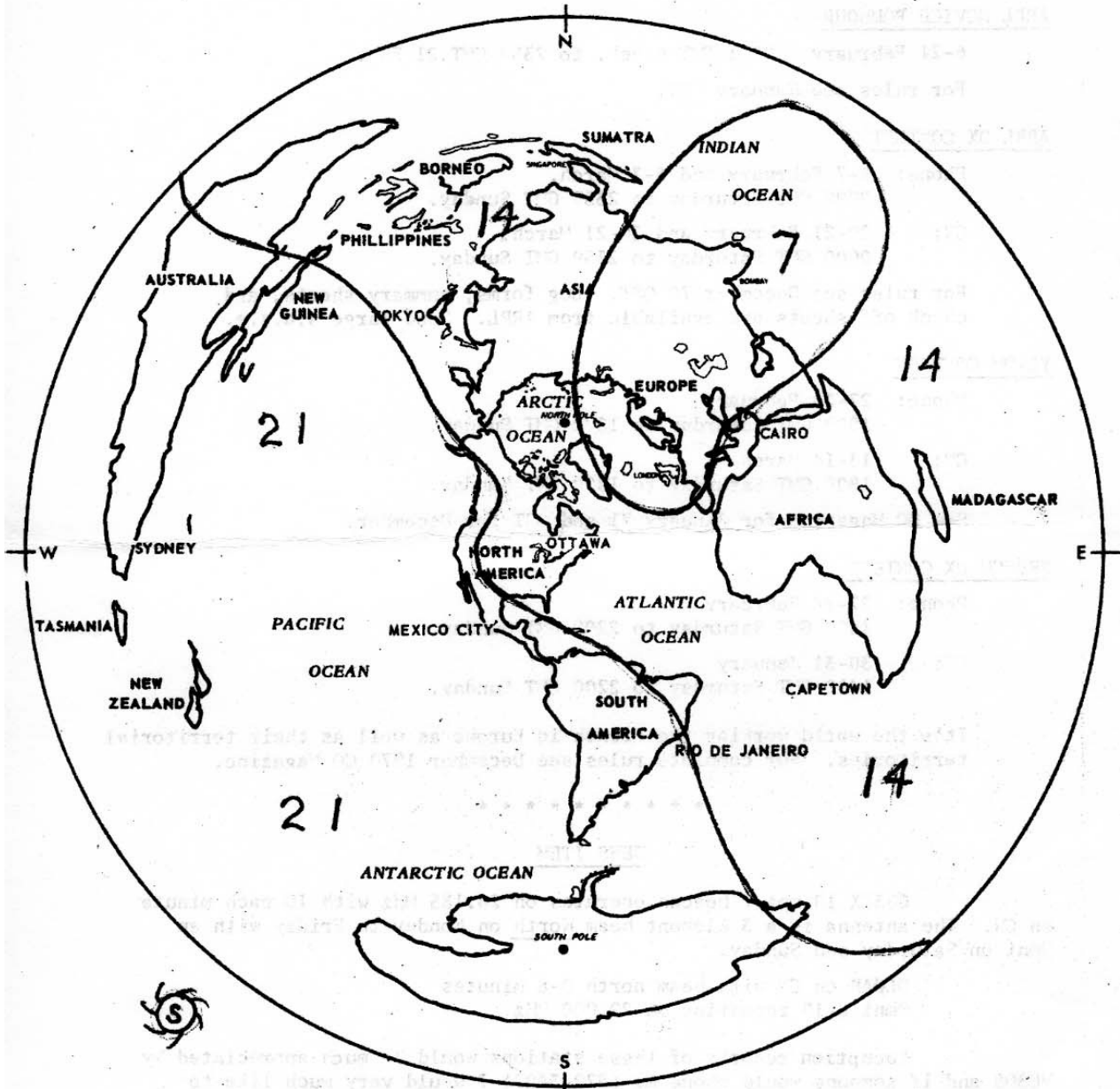
73,

Larry Kayser, VE3QB

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FEB 1971 - 0000 GMT

AZIMUTHAL EQUIDISTANT PROJECTION OF THE WORLD  
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1900 EST

FEB 1971 - 1500 GMT  
DX TOPICS  
 by R.J. Athey, VE3CTX

Another poor month for the H.F. DX'er. A reflection of the normal seasonal low, plus the declining sun spot number.

Some good DX is being worked on both 7 and 3.5 Mhz, with fair activity from the Pacific, Europe and the Middle East areas.

However February and March will bring an upswing in conditions on the higher bands and a relatively good summer for DX is predicted.

At present 20 meters is showing some good long path openings to Australia in the mid afternoon, and some Asians may show up in the early part of the evenings.

The following list shows that most of the good ones available have been worked during the day-time between 1400 and 2300 G.M.T.

15 SSB

ET3USA	Ethiopia	21.270 @ 1648	
3V8AL	Tunisia	21.301 @ 1652	
OH0NI	Aland Is.	21.350 @ 1421	
7X20M	Algeria	21.313 @ 1440	P.O. Box 2, Algiers
WX3MAS	USA	21.290 @ 1745	QSL to W3OK. Interesting prefix.

20 SSB

HM1BB	Korea	14.218 @ 0154	
4T40	Peru	14.195 @ 2345	QSL c/o P.O. 538, Lima. Special prefix.
707PV	Malawi	14.174 @ 1902	Geo QSL to 9J2PV
TU2AZ	Ivory Coast	14.118 @ 1920	Joe in Abidjan
6V8AL	Senegal Rep.	14.183 @ 1831	
9X5AA	Rwanda	14.174 @ 1900	Leo QSL via WYRC.
ZD7SD	St. Helena	14.124 @ 1930	Bill, P.O. 16, St. Helena Is.
CR6MX	Angola	14.150 @ 2010	Orlando
9Q5RD	Rep. of Congo	14.201 @ 2025	
CT3AS	Madeira Is.	14.199 @ 1944	Hal in Funchal, QSL to R.S.G.B.
9J2VX	Zambia	14.165 @ 1919	John Ex G3RVX
574DW	Kenya	14.179 @ 1925	Jock
FY7AE	Fr. Guiana	14.166 @ 1956	Cesar, P.O. Box 496, Kourou
UN8BO	Turkoman S.S.R.	14.202 @ 1332	Eugene
UA9VE	Siberia	14.177 @ 0318	Vlad
5W1AR	Somoa	14.206 @ 0503	Trevor

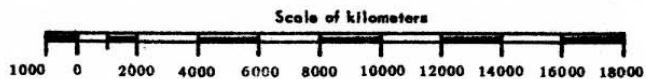
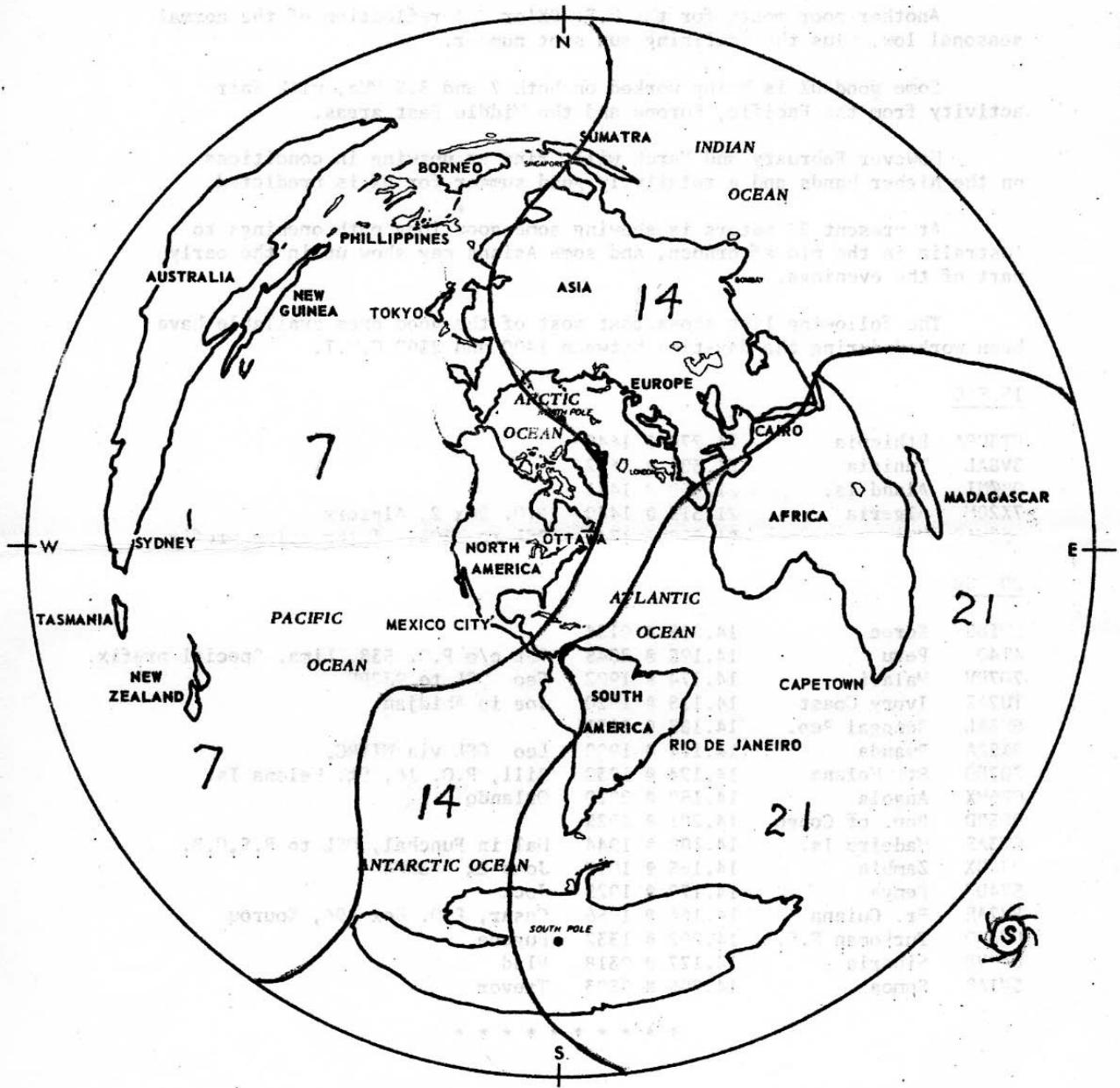
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0700 EST

FEB 1971 - 1200 GMT.

AZIMUTHAL EQUIDISTANT PROJECTION OF THE WORLD  
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0700 EST

HEATHKIT

THE NEW HM-102 RF POWER METER

A low cost high quality wattmeter.

The new HM-102 measures RF power output from 10-200W and 100-2000W in two switched ranges. Built-in calibrator permits 10% accuracy 1.8 to 30 MHz. Negligible loss permits permanent insertion in any 50 ohm line. Exclusive remote detector allows placement of the meter in any location. The built-in SWR Function has a minimum sensitivity of less than 10 watts.

The HM-102 should be available about the end of January and will cost \$39.95.

Please let us know if you do not receive a catalogue.

HEATH COMPANY  
A DIVISION OF SCHLUMBERGER CANADA LIMITED  
MISSISSAUGA, ONTARIO

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DEPARTMENT OF COMMUNICATIONS

The following official communication was received from R.B. Spanton, District Manager, Telecommunications Regulation, Department of Communications.

"As you are probably aware, a new amateur experimental satellite project to be known as "Oscar A-VI" is scheduled for launching in late 1971.

This Department wrote to the Australian authorities suggesting an agreement similar to the one which terminated July 13, 1970 and covered the exchange of third party traffic between Canadian and Australian amateurs concerning the experiments conducted with the last Australian -- Oscar A satellite project.

A favourable reply has now been received from the Australian authorities and, accordingly, I can advise Canadian amateurs that the exchange of third party traffic relating to the technical experiments conducted with Oscar A-VI will be permitted between Canadian and Australian amateurs during the period commencing on the day that the Oscar A-VI satellite is launched and terminating on the day four months after it ceases to transmit."

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SILENT KEYS

PATRICK DOYLE - Aged 38

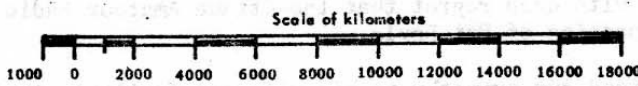
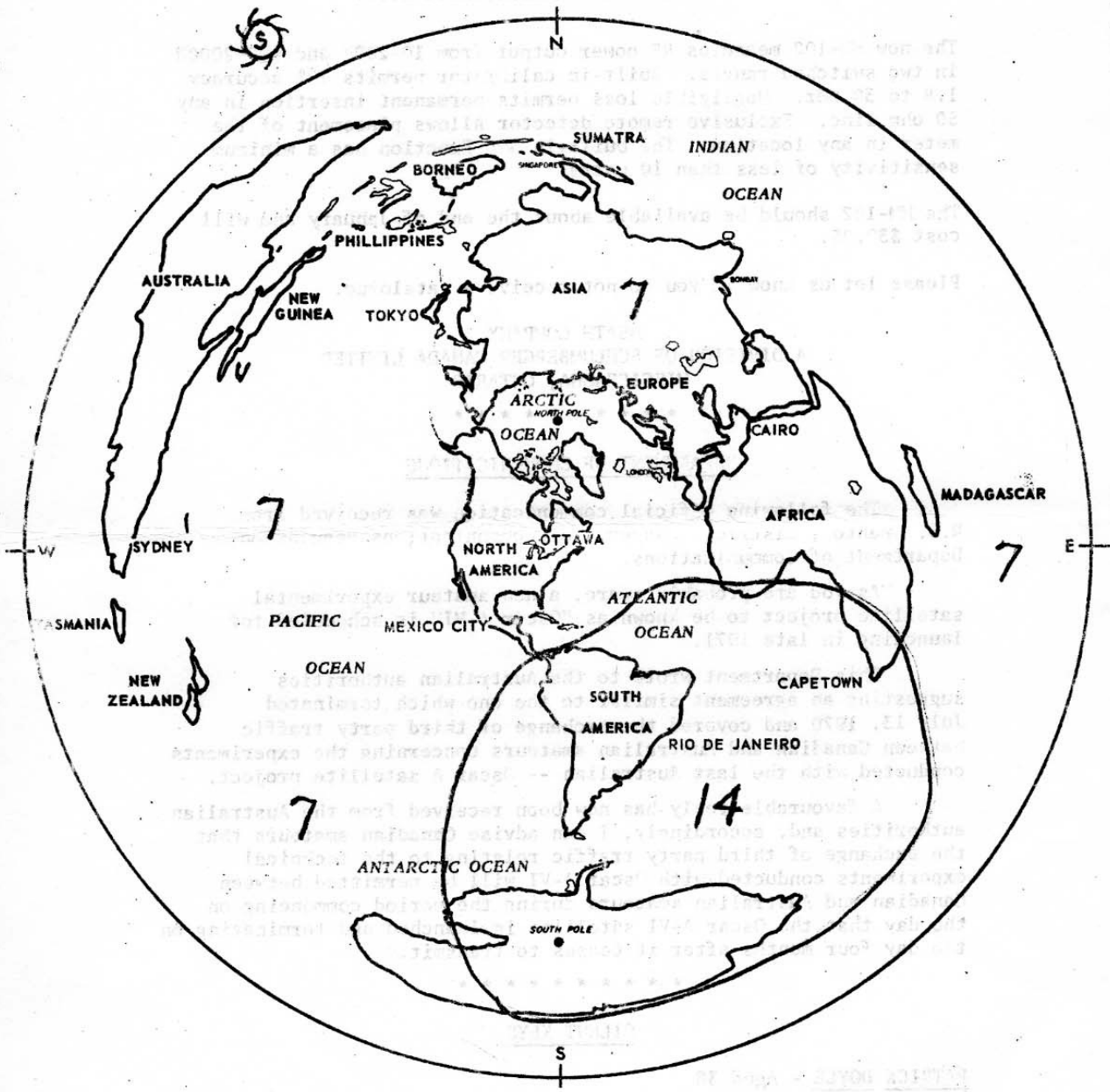
It is with deep regret that the Ottawa Amateur Radio Club reports the passing of Pat Doyle.

We extend our sympathy to his wife and family in their time of grief.

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FEB 1971 - 0600 GMT

AZIMUTHAL EQUIDISTANT PROJECTION OF THE WORLD  
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0100 EST