

# Short Circuit



May 1987

Address correspondence to:  
Arctic Amateur Radio Club  
Newsletter Editor  
P.O. Box 83231  
Fairbanks, AK 99708

May Meeting and Program  
7:30 pm Friday, 2 May 87  
Geophysical Institute

Richard Lord (KL7HCF) will be on Ascension Island for a year. He would like to make contacts and phone patches with Fairbanks. (from Herb Walls)

## Training & Testing

*Special Exam*  
Wednesday, May 6

Another special test session will be provided for candidates from Eagle, who will be in Fairbanks. Several novices and prospective hams will be in the group, coming to town for a school trip. Anyone else who is interested is welcome to participate. Exams will be available for all license classes. Advance registration is not necessary. If you want to take an exam at this session, be at the Geophysical Institute Globe Room on UAF's West Ridge by 7:00 pm.

Candidates for the technician and general class licenses should remember that element three has now been split into 3a and 3b. Element 3a covers the upgrade to technician; 3b is needed to upgrade from tech to general.

President - Bill Connor, AL7FQ
Vice Pres - Kurt Torgerson, NL7GW
Treasurer - Jim Gilmore, KL7SW
Secretary - Lewis Overton, NOSN

## Club News

### Directors' Meeting

From the meeting of the Board of Directors of the Arctic Amateur Radio Club, held at 7 pm, Thursday, April 16 at the TVCC Conference Room. Kurt Torgerson presiding.

Approved motion to join with Borealis ARC to operate field day. Borealis will provide the chair of a joint committee to establish rules and strategies.

Approved motion to invite Borealis ARC to join with Arctic ARC in a booth at the Tanana Valley fair. Arctic ARC will provide the chair of a joint committee to plan the activity.

Received committee reports on the Yukon 800, Golden Days, packet radio, repeaters, and training/testing. Noted that the order of equipment for linking repeaters is on hold pending approval of the Donnelly Dome repeater site by Alascom, expected soon. (DD site is in use presently on a temporary basis.)

Approved Kurt Torgerson (NL7GW) as coordinator for the Tanana Valley fair activities this summer.

The next meeting of the Board of Directors will be held at 7 pm, Thursday, May 14 at the TVCC Conference Room.

Operating Events

*Golden Days*

The club has made arrangements with Peggy McDonald to provide support for and participation in Golden Days this year. Details are not yet determined, but it is expected that support will be similar to the Ice Festival involvement. This will include parade support, safety communications for races, an on-the-air QSO party with QSL cards provided by the sponsorss, and other acitivities. Watch this column for announcements.

*Tanana Valley Fair*

There is a new twist to the annual club participation in the local fair this year. The board has agreed to be the host in a joint fair booth display with the Borealis ARC from the North Pole -Eielson area. (See the board report elsewhere in this issue.) The efforts will be coordinated by a committee formed from members of the two clubs. Kurt Torgerson (NL7GW), who has again volunteered to coordinate the Arctic ARC activities at the fair, will chair the committee.



*Yukon 800*

Preliminaries to participation in the Yukon 800 have begun. Jim Dixon (NL7HI) will be club sponsor and prime mover for safety communications support this year. Jim reports that VHF, HF voice and packet will be part of the network. There is interest in using the packet net to input directly into a status monitoring program, which would then predict arrival times at checkpoints. Overdue boats could then be detected centrally and alert notices posted to the net. Feasibility studies will be conducted to see if this is possible. Interested people should contact Jim.

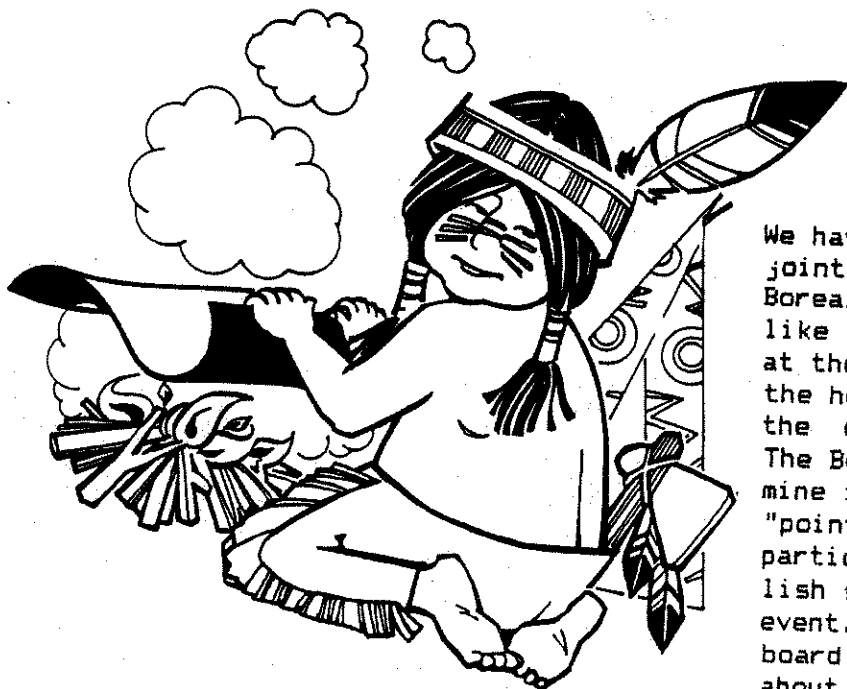
# SPECIAL NOTICE!

## FAR Scholarships

The Foundation for Amateur Radio offers 26 scholarships for hams in college and community college. The requirements for each scholarship is different and depends on your licence class, major, and other factors. See Jim Dixon, NL7HI for more details or write to:

FAR Scholarships  
6903 Rhode Island Ave.  
College Park, MD 20740

The deadline is on June 30, 1987 so there is time to write for applications and information.



## *Field Day*

We have been invited to participate in a joint field day exercise with the Borealis ARC. Organization would be much like the organization for joint efforts at the fair, with a committee chair from the host club (Borealis) and members of the committee drawn from both clubs. The Borealis group was asked to determine if they want a "sport" station or a "points" station. The board agreed to participation in the committee to establish station objectives and to plan the event. Once objectives are set, the board will report to the membership about club sponsorship. Individuals are free to participate, of course, regardless of "official" club involvement.

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BELOW IS A COPY OF THE LETTER RECEIVED FROM JOHN KELLEY OF THE COLLEGE ROTARY CLUB. FOR A LOOK AT THE PICTURES (WHICH DO NOT COPY WELL) CALL LEWY, 479-6224.

## ROTARY CLUB



8 April 1987

Mr. Lewis Overton  
Fairbanks Radio Club  
3281 Edby Street  
Fairbanks, Alaska  
99701

Dear Mr. Overton:

Recently I represented the City of Fairbanks in the signing of a Declaration of Friendship between our city and the city of Mombetsu, Hokkaido, Japan. This came about because of the many years of collaborative research between the University of Hokkaido's Sea Ice Research Laboratory (SIRL) at Mombetsu and the University of Alaska research institutes. We had a similar ceremony here in Fairbanks last week to present the documents to Mayor Walley and the City Council. While in Japan a number of organizations wished to make contact with clubs in Fairbanks. One of these clubs was the Amateur Radio Club of Mombetsu. I might add that this club plays a very important role assisting the fishermen in this northern coastal community on the Okhotsk Sea.

You may wish to make initial contact with the Mombetsu Club. Mr. Tsutomu Tojyo ( 7-28-1 Chome Minamigaoka, Mombetsu City, Hokkaido, Japan, 094 ) presented me with some pictures to give to your club (enclosed). Also, Mr. Ryotchi Yamahara, Chief Operator, Mombetsu Fishery Radio Station ( 7-18 Minamigaokacho, 1-chome, Mombetsu City, Hokkaido, Japan 094 ) would also like to make contact with the Fairbanks club.

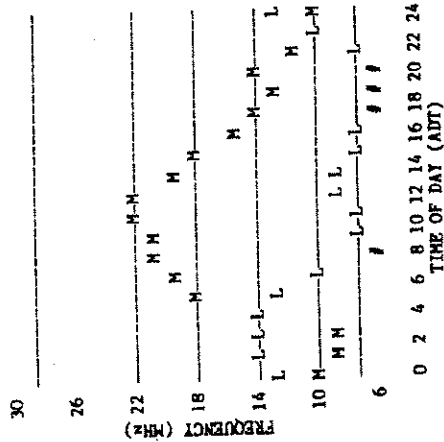
College Rotary Club assisted in the organization of the Declaration of Friendship. I have slides of the city and the surrounding region should anyone wish to see them. This area is a delightful part of Japan and I am most impressed with the people. I hope that your club will be inclined to contact the Mombetsu Radio Club.

Sincerely yours,  
*John J. Kelley*  
John J. Kelley  
President, COLLEGE ROTARY CLUB  
PO Box 80006  
Fairbanks, AK. 99708

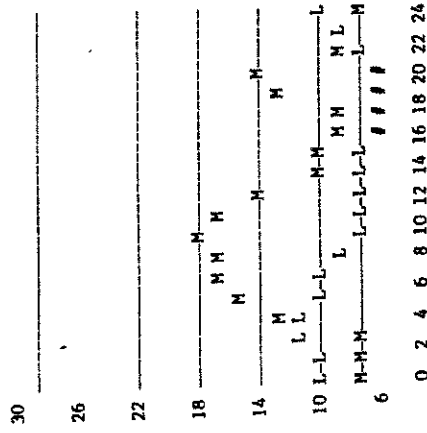
479-5989(home)

PROPAGATION FORECAST FOR MAY 1987  
Prepared by Rod Combellick, KI7JJA

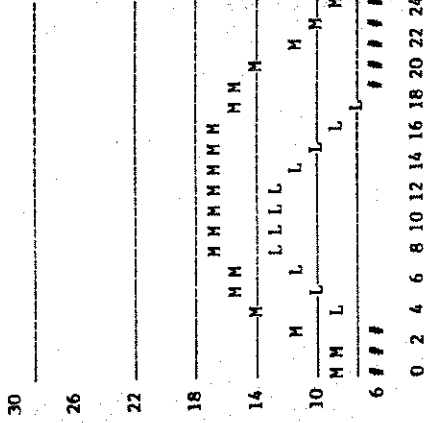
**FAIRBANKS TO CENTRAL AFRICA**  
TO: 9Q  
10 DEGREES & 8273 MILES  
DATE: 5-16 TIME: ADT  
FLUX: 89 PLOT: MUF



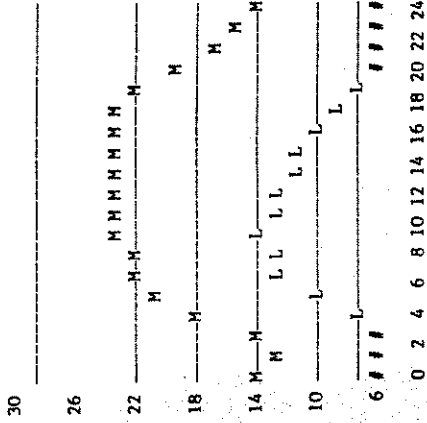
**FAIRBANKS TO EUROPE**  
TO: OE  
12 DEGREES & 4641 MILES  
DATE: 5-16 TIME: ADT  
FLUX: 89 PLOT: MUF



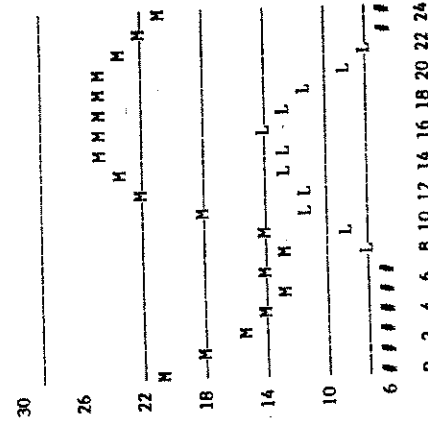
**FAIRBANKS TO EASTERN U.S.**  
TO: W3  
87 DEGREES & 3245 MILES  
DATE: 5-16 TIME: ADT  
FLUX: 89 PLOT: MUF



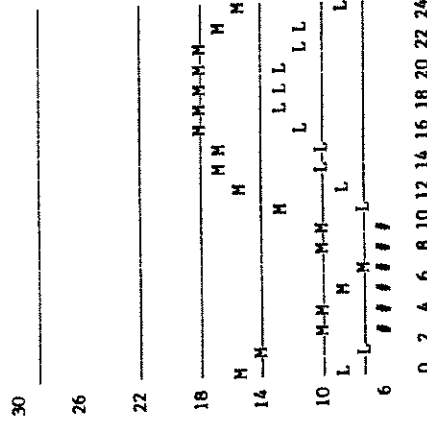
**FAIRBANKS TO SOUTH AMERICA**  
TO: CP  
107 DEGREES & 6943 MILES  
DATE: 5-16 TIME: ADT  
FLUX: 89 PLOT: MUF



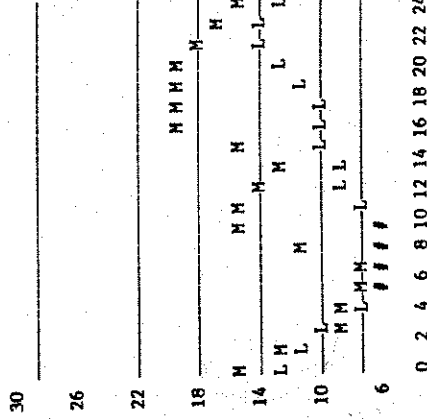
**FAIRBANKS TO SOUTH PACIFIC**  
TO: 3D2  
213 DEGREES & 5896 MILES  
DATE: 5-16 TIME: ADT  
FLUX: 89 PLOT: MUF



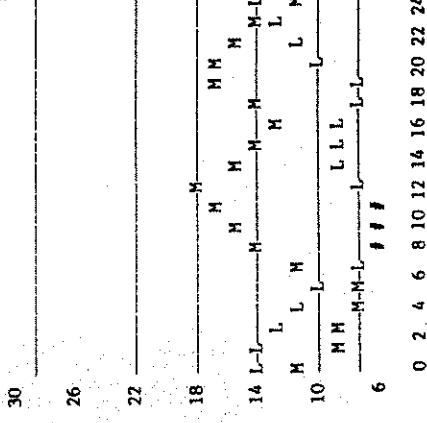
**FAIRBANKS TO EASTERN ASIA**  
TO: HN  
286 DEGREES & 3780 MILES  
DATE: 5-16 TIME: ADT  
FLUX: 89 PLOT: MUF



**FAIRBANKS TO CENTRAL ASIA**  
TO: 9N  
315 DEGREES & 5485 MILES  
DATE: 5-16 TIME: ADT  
FLUX: 89 PLOT: MUF



**FAIRBANKS TO MIDDLE EAST**  
TO: HZ  
349 DEGREES & 6319 MILES  
DATE: 5-16 TIME: ADT  
FLUX: 89 PLOT: MUF



27-day solar-flux forecast of Apr. 21, NOAA Space Environment Laboratory:  
Minimum S.F. = 82, May 16  
Maximum S.F. = 96, May 8  
Average forecast S.F. = 89, May 16 (basis for plots)\*

M = Maximum Usable Frequency (MUF) — frequency at which a signal will propagate at least 50 percent of the time under 'normal' conditions.

L = Lowest Usable Frequency (LUF) — lowest frequency that will support propagation along the path. Path is closed if L is higher than M.

# = MUF or LUF off scale.

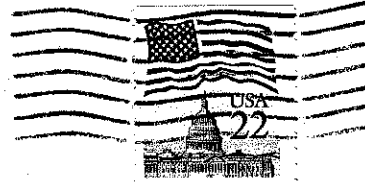
Geomagnetic Activity Range	K*	A*	AK**	Expected Propagation
Quiet	0-2	0-7	0-9	Above normal
Unsettled	2-3	7-15	10-29	Normal to high
Active	3-4	15-30	30-79	Normal to low
Minor storm	4-5	30-50	80-159	Below normal
Major storm	5+	50+	159+	Poor

\*Obtain actual daily readings of flux, A and K indices from WWV at 18 past the hour. If actual flux is higher than 89, then MUF is higher than forecast.

\*\*Obtain actual daily readings of AK index from 552-2398 in Anchorage (recording).

Calendar of Upcoming Club Activities	
Board Meeting	Wednesdays
Special Exam	Sundays
Haw Exam	Month of July
Meeting	Friday May 1
Golden Days	Saturday May 2
Westlink News	Wednesday May 6
Haw for Lunch	Thursday May 14
Ham Exam	7 pm
Meeting	7 pm ???
Golden Days	1 pm
Westlink News	7:30 pm
Haw for Lunch	On Air -- Fairbanks
Special Exam	146.88 (146.94 alt)
Board Meeting	Bakery on College Road
	noon-ish
	9 pm
	7:30 pm
	1 pm
	7 pm ???
	7 pm
	TVCC Convergence Room

Arctic Amateur Radio Club  
 P O Box 83231  
 Fairbanks, AK 99708



Joe Voelkelt  
 Box 82443  
 Fairbanks, AK

9/30/87

99708