

February

1987

P A A R A

GRAPHS

Featuring:

The entire text of the controversial
Menlo Park City Antenna Ordinance
742 which will have been voted on
by January 27. Information on a
new series of novice classes ➡



**THE OFFICIAL NEWSLETTER
OF THE PALO ALTO AMATEUR
RADIO ASSOCIATION**

AND

THE MENLO PARK C.D. AMATEUR RADIO CLUB

1987 Club Officers

President	Gerald Tucker	WA6LNY	326-4908
Vice-President	Andy Korsak	VE3FZK	366-5228
Secretary	Bill King	N6CHI	595-0258
Treasurer	Frank Chandler	WB6QPV	322-7678
Trustee, W60TX	Fred Canham	K6YT	948-9238
Property	Ed Fairbanks	W6AIN	322-0319
Co-Property/Badges	Fred Canham	K6YT	948-9238
Refreshments	Frank Chandler	WB6QPV	322-7678
ARES Officer	Steve Stuntz	K6FS	322-4952
Club Historian	Jerry Zobel	W6ARA	322-0063

Board of Directors

Craig Smith	N6ITW	1987-8	326-8637
Ron Panton	W6VG	1987-8	854-4814
Gerry Wagstaffe	W6NIR	1985-6	325-4814
John Buonocore	KD6ZL	1986-7	366-1658
Micheal Bach	WB6FFC	1986-7	592-2710
Perry Yelton	WR6E	1987-8	366-9481

PAARAgaphs Staff

Editor	Kenneth Dueker	KB6BPM	322-6984
Associate Editor	????????????????	????????	???-????
Advertising	Swede Swenson	N6CHL	368-9808
Mailing	Bill McElhinney	KA6LZI	325-9808

And a few anonymous, but *very* important publication people!

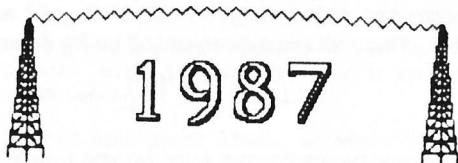
PAARA Policies

Membership in PAARA is \$6.00 per calender year which includes a subscription to *PAARAgaphs*. Make payment to the Palo Alto Amateur Radio Association, P.O. Box 911, Menlo Park, CA 94026

Club Net on 147.45 MHz Mondays at 8:30 P.M.

Meetings monthly at the Menlo Park Recreation Center at 7:30 P.M., the first Friday of the month.

February



From the Editor's Desk:

The N6ITW Repeater Group is offering a new "on the air" code class. These are every Thursday night at 8:00 P.M. on 440.100 MHz and 147.555 MHz. Speeds are 5, 7, 10, 13, and 15 wpm. Scott, N7FSP is control for the net. Questions? Call (415) 325-8778 or write to the Group at P.O. Box 4105, Menlo Park, CA 94025.

A novice class is being presented by the Menlo Park Rec. Center Thursday evenings from 7:00 to 9:00 P.M., 1-15 through 3-12. Jim O'Neal will be teaching. The fee is \$20 for residents and \$24 for non-residents. A \$10 book fee is also required. For information call (415) 858-3470. The Menlo Park A.R.E.S. Group meets every Tuesday at 7:30 P.M. on 147.450 MHz. There is a short roll call, info exchange, and training is available for those who wish to support the city's emergency system. Please check in! Names are added to the A.R.E.S. tally at 8:00 P.M. on the frequency 146.115 MHz.

I thank N6ITW for the above information.
de KB6BPM

Speaker of the Month

WB6VEX Bob Uhrhammer, head seismologist of the Berkeley Monitoring Station presents:

E
L a r t h q u a k e s

The following is a proposed Menlo Park antenna ordinance. Antennae, to the council, means one antenna system consisting of any number of individual antennas. This will have been voted on by January 27, 1987.

ORDINANCE NO. 742

AN ORDINANCE OF THE CITY OF MENLO PARK
AMENDING TITLE 16 OF THE MENLO PARK MUNICIPAL CODE
PROVIDING CONTROLS FOR ANTENNAE

Section 1. Title 16 of the Menlo Park Municipal Code is amended as follows:

1. Amend Chapter 16.04 (Definitions) to add thereto the following sections:

16.04.035 Antenna. The term "antenna", as used herein, means any system of wires, poles, structures, reflecting discs, dish antennae, earth stations, satellite antenna or similar devices used for the transmission or reception of electromagnetic waves which system is external to or attached to the exterior of any building. Antennae shall include devices having active and passive elements extending in any direction, and directional beam-type arrays having both elements carried by and disposed from a generally horizontal boom which may be mounted upon and rotated through a vertical mast or tower interconnecting the boom and antenna support, all of which elements are deemed to be a part of the antenna.

16.04.297 Earth Station. The term "earth station", as used herein, means a combination of 1) antenna or dish antenna the purpose of which is to receive communication or other signals from orbiting satellites and other extra-terrestrial sources; 2) a low-noise amplifier (LNA) which is situated at the focal point of the receiving component the purpose of which is to magnify land transfer signals; 3) a coaxial cable whose purpose is to carry the signals into the building.

2. Amend Title 16 to add hereto the following chapter:

Chapter 16.93 Antennae

16.93.010 Purpose. The purpose of this chapter is to provide appropriate standards for the installation and maintenance of antennae to protect the public health, safety and welfare, to protect the aesthetic qualities of the community, and to protect property values.

16.93.020 General Requirements. Antennae may be installed and maintained in any zoning district appurtenant to the main use of the property only in accordance with the regulations of the zoning district in which they are located and the following requirements:

- (1) Dish antennae exceeding twenty-four (24) inches in diameter or 3-1/2 sq. ft. in area may be permitted to be installed on the roofs of buildings within any zoning district provided that in the commercial districts such antennae shall be screened from view and in the residential areas they shall be located at the rear of the main building and painted to blend with the roof.
- (2) Ground mounted antennae shall be located at the rear one-half of the property and no more than one ground mounted antenna shall be permitted per lot. Guy wires may not be anchored within any front yard. Elements of the antennae shall not extend beyond the property line.

- (3) Ground mounted and roof mounted antennae shall be installed and maintained in accordance with the manufacturer's specifications and all applicable Building Codes.
- (4) Any antenna installed near power lines, or where it may cause damage to adjacent properties if felled, must be secured with an appropriate anchor system attached in the direction away from the hazard. Appropriate clearances must be maintained between transmission lines and telephone or electrical wires as prescribed by applicable codes.
- (5) A Building Permit shall be required for the installation of either a roof mounted or ground mounted dish and/or telescoping structure antennae. An application for a Building Permit shall be submitted to the Building Division accompanied by a site plan showing the exact location of the antenna, construction drawings showing the proposed method of installation, the manufacturer's specifications and engineering calculations demonstrating compliance with the applicable structural requirements of the Building Code.
- (6) All antennae shall be maintained in good condition and in accordance with all the applicable requirements of this Chapter.
- (7) No major additions, changes or modifications shall be made to an existing antenna, unless the addition, change or modification is in conformity with this Chapter, the applicable Building Codes and the Use Permit granted for such antenna, if any.

16.93.030 Use Permit Required.

- (1) Dish antennae greater than five (5) feet in diameter or 20 sq. ft. in area may be allowed in any zoning district provided a Use Permit is obtained therefor from the Planning Commission, in accordance with Chapter 16.82 of this Title.

No Use Permit for a dish antenna shall be denied except for reasonable health, safety, or aesthetic considerations which are clearly articulated and defined by the Planning Commission or City Council at the time of denial.

16.93.040

Notwithstanding the provisions of this chapter, all applicable State and/or Federal requirements shall be met.

WORLDWIDE DISTRIBUTION



HAM RADIO OUTLET

NEW OAKLAND LOCATION

6 STORE BUYING POWER

ICOM IC-R71A



Superior Grade General Coverage Receiver

\$799

SALE! CALL FOR PRICE

ICOM IC-37A



IC-27A (20W 200 Fm)

IC-27H (40W 200 Fm)

IC-37A (20W 220kHz Fm)

IC-47A (25W 70cm Fm)

CALL FOR LOW, LOW PRICE

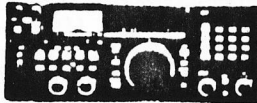
ICOM IC-735



The Latest in ICOM's Long Line of HF Transceivers

CALL FOR LOW, LOW PRICE

ICOM IC-R7000

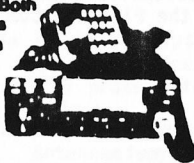


25 MHz-1300 MHz

IN STOCK FOR IMMEDIATE DELIVERY!

ICOM LATEST EDITION IC-3200A DUAL BANDER

Covers Both 2 Meters & 70 cm



AT GREAT LOW, LOW PRICES

ICOM IC-1271A

NEW



12 GHz Transceiver
The First Full-featured 1240-1300 MHz Transceiver
AT GREAT LOW, LOW PRICES

ICOM HAND-HELDS



IC-02AT
IC-04AT

VHF/UHF



IC-2AT
IC-4AT



IC-3AT

CALL FOR LOW, LOW PRICE

All Major Brands in Stock Now!



Bob Ferraro (W0RL)

President

Jim Rafferty (W0RL)

VP for Calif Div

Arizona Div Mgr

ARMENIA, CA 95001

2020 W. La Palma

(714) 781-2033 (713) 660-2060

Between Devonians & Steele Store Front

BERKELEY, CA 94704

800 Howard Ave

(415) 342-5757 George Mgr W0000V

3 miles south on 101 from 540

OAKLAND, CA 94608

2210 Livingston St.

(415) 534-5757 Don Mgr W00PE

Hwy 11 to 7th Ave East

SAN DIEGO, CA 92108

5375 Reentry V40 Rd

(619) 560-4000 Glenn Mgr W00AA

Hwy 163 & Claremont Mesa Blvd

PHOENIX, AZ 85015

1702 W. Camelback Rd

(602) 247-3515 Bob Mgr W7R0D

East of Hwy 17

SAN JOSE, CA 95109

6285 Sacramento Blvd

(408) 686-2212 Al Mgr W0V0A

San Diego Freeway at Victory Blvd



CALL TOLL FREE (800) 854-6046

Our hours including Alaska & Hawaii: Phone M-F 9:30 a.m. to 6:30 p.m. Pacific Time. California and Arizona customers call or visit nearest store. California and Arizona residents please add sales tax. Prices, specifications, descriptions subject to change without notice.



COMPLETE HAM RADIO DEPARTMENT

NOW AVAILABLE

LARSEN 2/70

Dual Band Amateur Mobile

ANTENNAS

2 Meter or 440 MHz

- Maintains High Performance For Both VHF And UHF Amateur Bands!
- Self Resonant Design Allows Most Applications For Boats And Base Stations.



Ritron "Jobcom" Series

COMMERCIAL 2-WAY RADIOS

For "In-Plant" or "On-Site" Applications!

Handheld Units From

\$195

Total Communications "Person-to-Person"



Most Add-On Accessories In Stock!

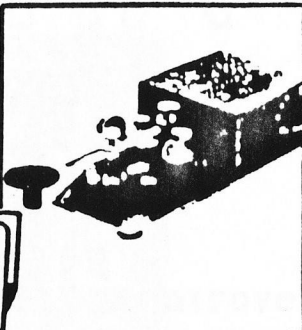
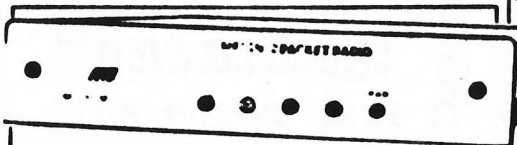
Affordable!

PACKET RADIO FROM MFJ

\$129⁹⁵

MODEL MFJ1270

- Identical TAPR TNC 2 Clone In New Cabinet With TTL Serial Port.
- Totally General Purpose
- Latest AL25 Version 2.0 Software. 16 K RAM



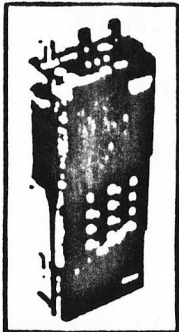
NYE Viking CODE PRACTICE SET!

Special Reg. #27

\$21⁹⁵

#404-002

- Uses NYE Viking Standard Key, Oscillator And Amplifier



KOM IC-2A (T) HANDHELD

\$269⁵⁰

Extremely Compact. With Excellent Audio Quality!

- 800 Channels Transmit And Receive.
- Separate Speaker & Built-in Mic. • Synthesized
- Complete With BP3 NiCd Pak And AC Wall Charger

TELEX HY-GAIN ANTENNAS



MODEL CPG-2A COLLINEAR GROUND PLAIN FOR 2 METERS

\$36.00

\$139.95

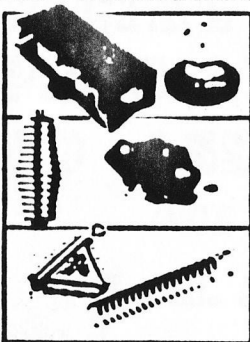
MODEL AR40 FOR LARGE FM TV AND COMPACT COMMUNICATION ANTENNA ARRAYS



Thousands of COMMUNICATIONS PARTS AND ACCESSORIES!

In Stock Today And Ready to Fill Any Communications Need!

Qualified Staff To ASSIST YOU!



QUEMENT ELECTRONICS

1000 South Bascom Avenue
San Jose • 908-5900



Since 1933

AMERICAN EXPRESS

OPEN MON.-SAT. 9AM to 6PM

Easy Wheel Chair Access

PAARA
P.O. Box 911
Menlo Park
Ca. 94026

Andy Korsak
504 Lakemead Way
Redwood City CA 94062

VE3FZK 86/Ø1



LOVE
USA **22**

FIRST CLASS