

W6OTX

• PAARA NEWSLETTER •  
VOLUME 45 • NUMBER 10 • October 1996

W6OTX

# PAARAGraphs

Since 1937

Monthly Newsletter for the Palo Alto Amateur Radio Association, Inc.



## Calendar

October 4, PAARA Meeting, 7:30  
Menlo Park Recreation Center  
700 Alma Street, Menlo Park 7:30-9:30 PM

October 9, PAARA Board Meeting, 7:30  
Red Cross Blvd. 400 Mitchell Ln., Palo Alto

November 1, PAARA Meeting, 7:30  
November 6, PAARA Board Meeting, 7:30

October 12, PAARA AUCTION (*tentative*)

October 26-27, PAARA intensive class  
for no code Amateur Radio License  
for information contact: Bill Rausch, AA6PA... (408) 637-0622

December 6, PAARA Meeting, 7:30  
December 11, PAARA Board Meeting, 7:30



## Program

Oct. 4, 1996 7:30 P.M.

Speaker: Milt Camp, K6OYX

### "Hands Across the Border"

Ham involvement with the Flying Doctors to Mexico

PAARA Radio NET every Monday evening, at 8:30pm,  
on the 145.230-600 repeater MHz, PL tone off. •

## DXCC

### The ARRL DX Century Club Program

From its simple beginnings, culminating in the announcement of the new DX award, The DX Century Club, in September 1937 QST (which was itself based on the "ARRL List of Countries" published in January 1937 QST), membership in the ARRL DX Century Club (DXCC) has been the mark of distinction among radio amateurs the world over. That it is regarded with such prestige by DXers is a testament to its integrity and level of achievement. The high standards of DXCC are intensely defended and supported by its membership. The rules established by the founders of DXCC were consistent with the art of Amateur Radio as it existed at the time. As technology improved the ability to communicate, the rules were progressively changed to maintain a competitive environment and complement the gaining popularity of DXCC.

Because of the vast changes in the international scene brought about by World War II, it logically followed that DXCC needed to be recast, as indicated in December 1945 QST. Ultimately, after a great deal of study, the first postwar DXCC Countries List emerged as published in February 1947 QST. The new DXCC Rules appeared in March 1947 QST. Contacts were valid from November 15, 1945, the date US amateurs were authorized by the FCC to return to the air following World War II.

The DXCC rules today represent the aggregate of experience gained from administering postwar DXCC. Some countries on the DXCC Countries List do not, of course, meet the present criteria. This includes countries "grandfathered" from the WW II era or those that met the criteria as it existed at the time and are not subject to deletion (see Section III for the appropriate grounds for deletion). Changes are announced under DXCC Notes in *QST ARRL Notes*.

April 1996

Join Us At The Next

## PAARA Meeting

October 4, 7:30  
1997 Dues Discussion

## Miscellaneous Dates

### Flea Market at Foothill

will resume next March

### PAARA Palo Alto Amateur Radio Association

meets 1st Friday 7:30 each month, Net 145.230 each Monday 8:30,  
contact: Bill Rausch, AA6PA.....(408) 637-0622.

### PAARA Auction, 2<sup>nd</sup> Saturday of October

contact Jerry Tucker, WA6LNV 415-961-3266

### EMARC Electronics Museum Amateur Radio Club

Meets 4th Friday 7:30 each month,  
contact Sheldon Edelman 415-858-2176.

### NCDXC Northern California DX Club

Meets 2nd Friday each month, repeater for member info 147.360, each  
Thursday 8:00PM, contact John Troster W6ISQ 415-854-3939.

### NorCalQRP Northern California QRP Club

Meets 1st Sunday each month, contact Jim Cates 3241 Eastwood Rd.,  
Sacramento, CA 95821.

### Perham Foundation, contact Jerry Tucker WA6LNV 415-961-3266

### SPECS Southern Peninsula Emergency Communication System

Meets each Monday 8:00PM on Net 145.27, 224.36, 440.80 MHz  
contact Mike Hastings KB6LCJ, 408-243-6745 or 408-249-6909.

### SCARES South County Amateur Radio Emergency Service

Meets 3rd Thursday 7:30 each month, San Carlos City Hall.  
Net is on 144.45 & 444.50 (PL-100) 7:30 Monday evenings.  
contact Dick Collins K6ANN 415-593-8952

### Disaster Services, Palo Alto Chapter, American Red Cross

Meets 3rd Wed. each month 7:30PM, HF, packet, BBS, ATV,  
OSCAR Gateway, NASA satellite,  
contact Ruth Claypool 415-688-0423.

### PACIFCON'96, October 18-20, Concord Hilton Hotel, Concord. Pacificon Hotline: 510 932-6125

### VE Exams, 3rd Saturday each month, 11AM American Legion Hall, 651 El Camino Real, R.C.

### FOR SALE BY PAARA

4 Element - 10 Meter Yaggi Beam \$25

Alliance HD-73 Rotator \$125

Wilson 40' Crank-up Tower \$300

contact Fred, K6YT (415) 948-9238

## The Board Minutes

(Aug 7, 1996, 7:30PM Board Meeting)

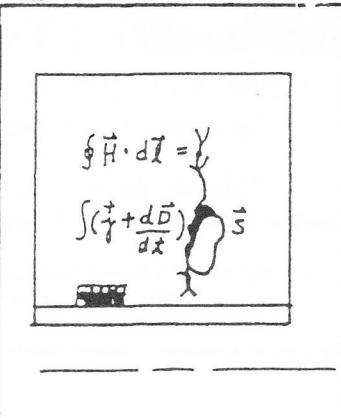
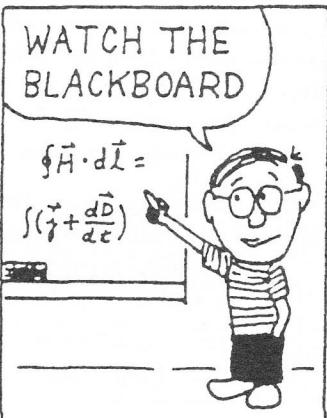
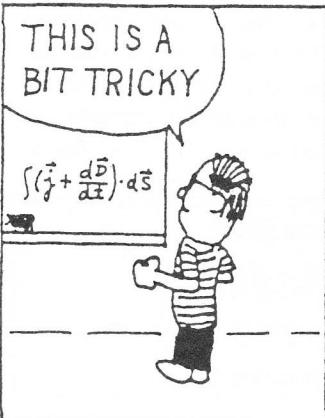
Present: Bill Rausch, AA6PA\*, Pres.

Dave Bailey, WS6W, Treas. John Buonocore, KD6ZL\*

Fred Canham, K6YT\* Wally Porter, K6URO

\*Board member

## ELMER



By Rich Regent, K9GDF

Editor.....Wally Porter, .....K6URO.....(415) 494 7038  
Database.....Bill McElhinney, .....KA6LZI.....(415) 325 9808

e-mail Address: wmpoter@aol.com

Submit material for PAARAGraphs by the 15th

**Minutes:** (of previous meeting) approved

**Treasurer Report:** see page 79

**Old Business:**

1. License Class location will be at Mitchell Park, PA, Oct. 26 & 27, Announcement will be in Palo Alto Rec. Dept. publication, early September
2. Auction discussed -still no location (**HELP, WS6W**)
3. Review of 1995 expenses & income, **Dave, WS6W**, Treas. Discussion. It is the responsibility of the Board to establish dues sufficient to support a balanced budget for 1997.
4. Dues discussed. The Treasure, **Dave, WS6W**, will review '95 activities and expenses at the next club meeting (Oct 4). an increase to \$24/yr will be proposed to the club

**New Business:**

1. No new buisness.

Meeting adjourned, 8:47pm.

### Palo Alto Amateur Radio Association, Inc.

**PO Box 911**

**Menlo Park, CA 94026**

President.....	Bill Rausch, AA6PA.....(408) 637-0622
VP/ Program Director...	Vic Black, Jr., AB6SO.....(415) 366-0636
Secretary.....	To Be Filled
Corporate Secretary.....	Kit Kohlmoos, W6ISO.....(415) 366 7813
Treasurer.....	Dave Bailey, WS6W .....(408) 730-5215
Trustee/Property/Badges.	Fred Canham, K6YT .....(415) 948-9238
ARES Officer.....	Lily Anne Hillis, N6PGM ..(415) 325-5484
Club Historian.....	Steve Stuntz, K6FS.....(415) 322-4952

### Board of Directors

John Buonocore, KD6ZL	(415) 366 1658 '97
Fred Canham, K6YT	(415) 948 9238 '97
Kit Kohlmoos, W6ISO	(415) 366 7813 '96
Bill Smith, KE6CHQ	(415) 366 9173 '96
Rich Stiebel, W6APZ	(415) 494 0128 '96
Steve Stuntz, K6FS	(415) 322 4952 '97

(see "Calendar" for Board meeting times, visitors welcome)

### PAARAGraphs Staff

Editor.....Wally Porter, .....K6URO.....(415) 494 7038  
Database.....Bill McElhinney, .....KA6LZI.....(415) 325 9808

## PROGRAM NOTES:



### PAARA Meeting, September 6, 1996

*Thanks to Steve Stuntz, K6FS*

September's meeting program was a 45-minute audio/visual account of PAARA 1996 Field Day activities, presented by our irrepressible roving videographer, Tom Scherf, K6BJR. Starting with a sweeping look at the site, we were treated to a detailed look at antenna erection, then operations on HF, CW and SSB, and VHF/UHF satellite, as well as packet. Tom had edited several hours of video footage down to  $\frac{3}{4}$  of an hour (to fit meeting time-length restrictions imposed by Menlo Park Recreation Dept.), and added narration via post-production voice-over. {How about making video documentation of club activities an ongoing project? -Steve,K6SF}

COMING ATTRACTION -October 4, same time, same place: Milt Camp, K6OYX, longtime ham, aircraft pilot, and founder of *Los Médicos Voladores*, gives an illustrated description of volunteer medical services to remote areas in northern Mexico - and the support given by amateur radio.



"Now that's a good omen."

### C N L SYSTEMS

LARRY E. BOLSTER

MARIE J. BOLSTER

*Trading Test Instrumentation*

*Collins Radios & Accessories*

3751 MIDDLEFIELD RD. • PALO ALTO, CA 94303  
415-494-1238



### Here & There

Subj: PAARA Board  
Date: 96-09-16  
From: Richard Stiebel  
To: aa6pa@amsat.org, wmpoter@aol.com

It has become apparent that my present commitments are preventing me from taking an active part as a PAARA Board member. For that reason, I feel it is in the best interests of both PAARA and me to leave the Board and make room for someone to take my place who will take an active roll in the organization.

I plan to continue to participate in club activities as much as possible.

Sincerely,  
Rich Stiebel, W6APZ

## TREASURER REPORT

Dave Bailey, WS6W

Revenues '96	JUN	JUL	AUG	1996 Total
Dues	6	30	0	552
Flea Market	0	0	0	6116.28
AMPEX Auction	0	0	0	0
Advertisements	0	0	0	600
Holiday Dinner	0	0	0	0
Raffle			81	81
Total Revenues	6	30	81	7349.28
Expenditures '96				
Stamps/Envelopes	0	0	32	64
DMV	0	0	0	43
State of CA	0	0	0	10
City of Menlo Park	0	0	150	300
Speaker's Dinner	13	10	9	100
Flea Market	800	0	0	1737.24
AMPEX Auction	0	0	0	0
Meeting Refreshments	19.59	4.74	0	81.95
PAARAGraphs	220.40	160.37	216.89	1617.78
Picnic	86.63	0	0	86.63
Field Day	32.41	43.98	0	76.39
Holiday Dinner	0	0	0	0
Misc.	0	247.81	13.85	327.66
Total Expenditures	1172.03	466.9	421.74	4444.65

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# History, Past and Present

**Steve Stuntz, K6FS**  
*PAARA Club Historian*



Almost ten years ago (back when Kenwood's TS-440S AT was a hot ticket), the Director of Recreational Therapy, Western Blind Rehabilitation Center, Veterans Administration Medical Center, Palo Alto, invited PAARA to give periodic talks about ham radio to groups of sight-impaired veterans, temporarily in residence as students in special skill-training programs. The object was to promote amateur radio as a recreation accessible to people with limited or no vision. PAARA accepted the invitation, and has been holding monthly evening meetings at the Center ever since, one and occasionally two PAARA volunteers officiating. Although attendance at these sessions varies from zero to a record maximum of eight curious - and usually genuinely interested - vets, the program hasn't faltered, and has received continuing recognition from the Center's staff.

To make sure that interested veterans get off to a running start when they return to their home QTH's, the PAARA visitor takes name, address, telephone number, and expected return-home date of each, then sends the data to the Manager of the ARRL Section in which the student lives. Three years ago a form letter was developed, describing the VA/PAARA program, the student's background in electronics or related technologies, and desire for information, training, license exam data, and personal contacts with local hams (i.e., "Elmers"). Since the start of this "Elmer-hunt" procedure, Section Managers in Western U.S. have been notified on the behalf of over 50 potential hams. Section Managers have been enthusiastically helpful, according to reply-letters and packet messages.

**BACKGROUND:** This program got a big boost when it was first set up, from American Legion Amateur Radio Post 380, through **Keith Trammell, W6QZE**. The Post donated a Butternut antenna (erected by PAARA members on the roof of the Center's building), and helped arrange donation of a Kenwood TS-440S AT equipped with speech synthesizer + power supply, by Kenwood via our old friend "George", of HRO back in the Burlingame days. That rig, plus a Kenwood 2-m FM transceiver, power supply, and antenna, donated by the estate of an SK ham up in Sierra country, make up a complete working station located in the Blind Rehab Center. While it's available to any student already licensed, or to a qualified Center staffer, it is used especially to demonstrate amateur radio during the monthly PAARA visits. Propagation permitting, an HF

QSO or two shows off long-range possibilities (the distant station is always told what's going on, and the students are invited to exchange greetings with him/her); local repeater operation is demonstrated with the VHF rig.

These seminars meet for two hours on the fourth Wednesday of each month, from 7:30 p.m. to 9:30 p.m., and consist of discussion about what ham radio is, how it can be entered and operated by visually-impaired people under present FCC rules, and how interested hams can perform public services. Attention is directed to the availability of recorded training materials, as well as special license exams for the handicapped. Also given is an overview of ARRL's organization and services, including the Section Manager's function. Interested students are given the names, phone numbers and QTH's of their Section Managers as listed in current QST.

In appreciation, PAARA volunteers are enrolled for recognition by Center management, and are invited to special events such as cook-outs, entertainment, and award ceremonies - and to show off a working ham station to anybody interested.

This is a gratifying opportunity to stimulate interest in a constructive, people-connecting avocation, as well as to broaden horizons for men and women who are trying to keep in touch with the world despite handicap. PAARA members are always welcome to participate; for details, contact **Steve, K6SF**.

(Steve has supported this program since its beginning. He could use help to cover his vacations or possible brief illness. -editor)

**ASK NOT WHAT PAARA CAN DO FOR YOU  
ASK WHAT YOU CAN DO FOR PAARA**

## PAARA PRIDE

wear your

### PAARA Badge

to

meetings, picnics, field days, winter parties, ham fests, flea markets, Pacificons... (if you need one, contact Fred, K6YT)

**Join Us At The Next  
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1997 Dues Discussion**

# ARRL

ARLB062:

ARRL Petitions FCC To Change Safety Rules

QST de W1AW

ARRL Bulletin 62 ARLB062

From ARRL Headquarters

Newington CT September 10, 1996

To all radio amateurs

The ARRL has petitioned the FCC to reconsider and reverse portions of the Commission's August 1, 1996, Report and Order that imposed RF-emission safety standards on Amateur Radio, including a 50-W threshold to trigger an RF-safety evaluation. In setting the 50-W threshold, the ARRL said, the FCC failed to consider the effect of antenna height, antenna gain, emission mode, duty cycle or operating frequency. The League asked the FCC either to scale the evaluation threshold by frequency to match the maximum permissible exposure (MPE) limits--directly corresponding to the way the regulations scale the exposure levels with frequency--or to set the evaluation threshold for all HF operation at 150 W at a distance of 10 meters from all parts of the antenna.

At or below that power level and at that distance from the radiator, "you'd be well on the side of safe, even at 100 duty cycle, with any antenna likely to be encountered on HF," said ARRL Laboratory Supervisor Ed Hare, KA1CV, our HQ staff liaison to the ARRL RF Safety Committee. "Some VHF/UHF and microwave station configurations could result in an RF exposure exceeding the requirements of the regulations, so the 50-W limit to trigger an evaluation is more appropriate above 30 MHz," said Hare. He emphasized that all stations, regardless of output power or frequency, still must abide by the specified MPE limits for RF.

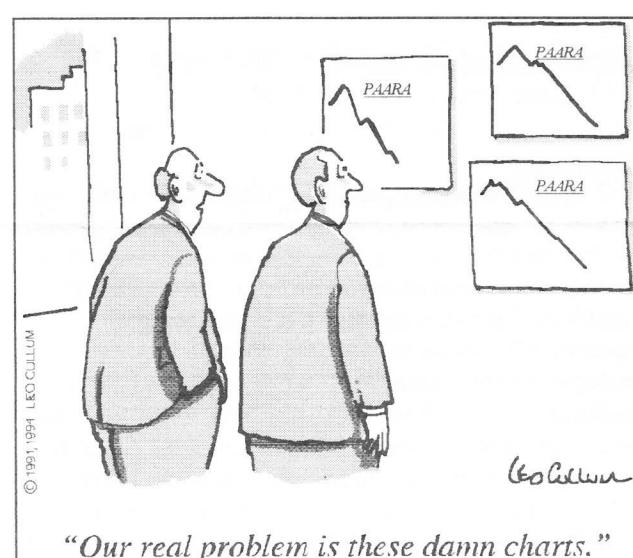
The new rules, effective January 1, 1997, require licensees of amateur stations running 50 W output or more on any band to conduct a routine RF-safety evaluation to determine if the station could expose people to RF levels that exceed the MPE limits specified in the new rules. (Mobile installations using push-to-talk, regardless of power, are exempt from the environmental evaluation requirement.) In its reconsideration filing, the League called the 50-W threshold "regulatory overkill" and "without scientific basis." Among other things, the League said the means to conduct RF radiation evaluations are not yet available, and the ability to reconfigure a station that might exceed the new limits "is highly problematic." Coupled with any state and local land-use and RF-exposure regulations that might exist, application of the new rules "may constitute a de facto revocation or modification of the station license," the League said.

The League also said the FCC adopted the rules "through flawed procedures" and without advance notice and opportunity for prior comment.

The ARRL said that the new rules differentiate between ham stations and other Commission licensees "which are treated far less restrictively." While the FCC preempted state and local government regulation of personal wireless service facilities based on environmental effects of RF emissions, it refused to do the same for ham radio "without any basis for the distinction."

The ARRL already has asked the FCC to extend the deadline to change amateur examinations and modify question pools, but the Commission has yet to act on the request. The League said that, as it now stands, hams have no way to determine the scope of their obligations under the new rules.

The League suggested the FCC vacate its new RF safety rules governing amateur stations and issue a further notice to permit comment on the proposed rules, and, in particular, the 50-W evaluation threshold. NNNN/EX



**Join Us At The Next  
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October 4, 7:30**

**1997 Dues  
Discussion**



## CONTESTS

### September

28-29

CQ WW RTTY Contest, sponsored by CQ magazine and The Digital Journal, 0000Z Sep 28 to 2400Z Sep 29. Single-op all-band high or low power, single-op single-band; single-op assisted; multi-single high or low power; multi-multi. W/VE stations send RST, state/province, and CQ Zone number; others send RST and CQ Zone number. Work stations once per band. Score 1 pt/QSO with own country; 2 pts/QSO in same continent; 3 pts/QSO different continent. Multipliers are states (48), provinces (13), DXCC/WAE countries and CQ zones per band. Final score is QSO points × multipliers. Awards. Send logs to Roy Gould, KT1N, PO Box DX, Stow, MA 01775.

### October

#### California QSO SSB/CW Party

5 October 16:00 - 6 October 22:00

(RS(T)+number+state/VE prov or DXCC country for non CA or county for CA stns)

Q 1x per mode per band 160-2 Meters. CW-1.805 and 40 kHz up; SSB-1.850; 3.850; 7.230; 14.250; 21.300; 28.450. Novice 10 kHz up. Try CW on half hour. 147.54 @20:00, 00:00 and 04:00. 160@05:00. 75-80@03:00 and 05:00. Ok to CA stns agn when they change counties. CA stns on county lines count as 1 Q but multiple counties. Score: Pts(2 for phone, 3 for CW) x mults(number of CA counties{max 58}). 24 hr limit for single ops. Rest periods of at least 15 minures noted in log. Band changes must be at least 10 minutes apart. Classes-single op; multi op, 1 tx; multi tx; CA county expedition; Mobile; Novice/Tech. Logs w/ 200 or more Qs need dupe sheet. ASCII, CT-BIN w/ summary page to CQP-1996@kb.org or NCCC c/o Ken Anderson, K6PU, PO Box 853, Pine Grove, CA 95665.

- 6 RSGB 21/28 MHz Contest, phone
- 12 Asia-Pacific Sprint

### 19-20 Jamboree on the Air

QRP ARCI Fall CW QSO Party

Worked All Germany Contest

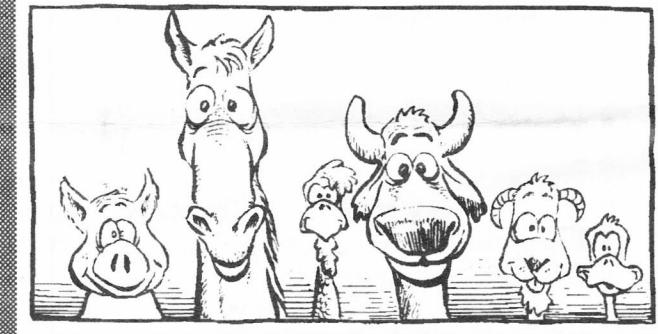
26-27 ARRL International EME Competition  
CQ WW DX Contest, phone  
10/10 International Contest, CW

### November

2-4 ARRL November Sweepstakes, CW

16-18 ARRL November Sweepstakes, phone

Join us for pre-meeting eyeball  
**QSO**



**gab & gobble**

6 pm — at Su Hong Restaurant  
1039 El Camino Real, Menlo Park  
— doors open 5pm — food served 6pm —

## Pacificon '96 October 18, 19, and 20

Pacificon Hotline: (510) 932-6125

e-mail: PACIFICON@designlink.com

<sup>1</sup>PAARA-Palo Alto Amateur Radio Association-P.O. Box 911, Menlo Park, California 94026-0911

Club meetings are on the first Friday of each month, 7:30pm at the Menlo Park Recreation Center, 700 Alma Street, Menlo Park, CA. • Radio NET every Monday evening, at 8:30pm, on the 145.230-600 repeater MHz, PL tone off. • Membership in PAARA is \$6.00 per calendar year which includes a subscription to PAARAGraphs. • Make payment to the Palo Alto Amateur Radio Association. Permission is hereby granted to reprint from this publication with appropriate source credit.

1952

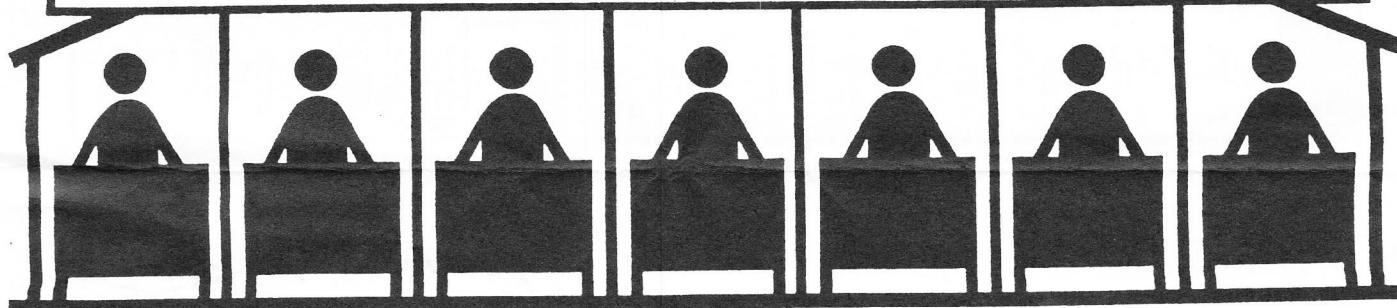
ANNUAL

1996

- PAARA -  
PALO ALTO AMATEUR RADIO ASSOCIATION

# AUCTION &

## FLEA MARKET



SATURDAY OCTOBER 12 9:30 A.M.

**San Mateo Shriners' Center**

1925 Elkhorn Court, San Mateo, CA

Hiway 92 to El Camino South; turn Rt on 20th-one blk

HAM RADIO GEAR ELECTRONIC PARTS

TEST EQUIPMENT RAFFLE PRIZES

COFFEE & DOUGHNUTS SERVED

DOORS OPEN AT 7:30 A.M.

LOCAL **CALL-IN 147.48** SIMPLEX

Flea Market Table Space \$10.00 Each. Some tables available.

AUCTION CHARGES: 10% OF SALES PRICE. BUY BACK  
SUBJECT TO \$5.00 MAX. CHARGE PER LOT.

