



SCCARA-GRAM

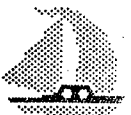


W6UUVOLUME 5
SANTA CLARA COUNTY AMATEUR RADIO ASSOCIATION
****ORGANIZED IN 1921

NUMBER 8 ...W6UW
SAN JOSE, CALIFORNIA****



PACIFCON '86



PLANS FOR THE ARRL PACIFIC
QUITE WELL. DON'T FORGET TO GET
LOOK FOR ALL OF THE DETAILS IN

CONVENTION ARE SAILING ALONG
YOUR REGISTRATION IN EARLY!!!!!!
THE INSIDE. LOOK FOR YOU THERE!

FROM THE PREZ

Many months ago when we talked about having a convention, we counted hands for as many promised helpers as we had people that wanted the convention. They weren't all the same, but in either case it was an overwhelming majority. The Convention has progressed these many months since from an idea to a full blown EVENT that is less than two months away. Suddenly, we have more things to do than we have "doers." We need to know who you "handraisers" were so we can start working up some "duty lists" fast. Please phone "Shorty", AE6Z, at 243-8349 and make good on that promise. Please !

Repeaterwise, the Repeater Committee has been increased by two highly interested members, Ben Wilbanks, AE6R, and Ed Mangan, KB6DLB. The Committee has met since the last club meeting. Questions or suggestions in that area should be addressed to anyone on the Committee.

We're (me) also a member of ARES, and as such attended their breakfast meeting at Reuben's last Saturday. "ARES" stands for Amateur Radio Emergency Service, and is most active in this County. With 288 members it is three times more active than the norm. Many SCCARA members also belong to ARES, notably their President, Lou Steirer, WB6QYS, and their County Emergency Coordinator, Bill Robinson, WB6OML . . .even our "landlady", Mickey, KB6NBI.. Training for preparedness is accomplished in part by providing communications to community activities, such as the Garlic Festival. These are fun events, open to any amateur. Listen to their meetings Tuesdays, 2000 hours, 146.115+ MHz. Amateurs that wish may become members if they are active.

SCCARA can also be proud of member Frank Glass, K6RQ, who twice last month gave talks to SIRS groups. Kind of makes you proud to be a ham after hearing Frank!

We are still looking for that "helper" we need to get out the SCCARAGRAM. Do you have part of a day to give once a month? Call me for details.

See you Monday, August 11th at the Board of Supervisors Chambers, 70 W. Hedding instead of our regular spot at the County Service Center. VP Art promises a good program. Board Meeting will be at S.J. Hospital, 1930 hours, Thurs, Aug 21st.

In closing, I particularly want to wish Bob Hudgens, WA6KUC quick recovery from a triple bypass operation last Tuesday.

73's de WD6CHD (Chili Hot Dog). Ed

SANTA CLARA COUNTY AMATEUR RADIO ASSOCIATION

MINUTES OF CLUB MEETING JULY 14, 1986.

The meeting was held at the County Service Center, 1555 Berger Dr. San Jose.
Was called to order by President Ed Rawlinson WD6CHD at 7:32 P. M.

Dan G. Dietz, WM6M. Treasurer's Report..June 1986.

Beginning balance General Fund-----	\$1312.68
Deposits-----	0.00
Disbursements-----	\$ 360.85
Ending balance-----	\$ 951.83
Repeater Fund beginning balance-----	\$ 176.68
Deposits-----	\$ 0.00
Disbursements-----	\$ 0.00
Ending balance-----	\$ 176.68
San Francisco Federal Savings balance-----	\$ 826.42
Convention account balance-----	\$2214.70

Membership at this point in time 234.

900 MHz.

John Baxter gave us a good presentation of the 900 MHz band.
You can put 160 channels from 905 to 909 MHz. More good features that are too many to enumerate.

Garlic Festival.

Date of the Festival will be July 25, 26 & 27 at Gilroy. There will be park & ride at the Eastridge. For more information call Lou Steiner WA6QYS.

Repeater matters.

One of the members was a little upset with the delay in having the 440 repeater in operation. Keith gave the progress so far.

Advertising matters.

Advertising was considered to offset the cost of publishing the Sccaragram. This is to be done in order to keep the membership at the present \$10.00. Dick Letrich, WB6WKM, our editor needs help with the Sccaragram, as you know it has been quite a few pages added and this will increase the amount of work. Any of the members who wish to help please call Dick.

Second Board of ARRL Directors Meeting at Connecticut.

Rod Stafford, KB6ZV, has a couple of things in the burner for this meeting (1) Novice enhancement and, (2) the issue whether the league should get involved in call signs. Rod will give a brief report of the meeting.

Field Day.

Ed reports that everybody had a nice time, 35 were there and 16 stayed over night. It ended costing Sccara 0.19¢.

Attendance today 45.

There being no further business, the meeting adjourned at 9:35 P.M.

Respectfully submitted.
Joe Bocanegra, WA6YRU
Secretary

.....FROM YOUR TREASURER.....

Let's kickoff this column by welcoming new members: David Stoddart,KB6QQ; Al Romeo,KB6NLH; Steve Petersen,AC6P; Al MacDiarmid,KA6NVL; Teryl Pratt,N6NRQ; and Bob Hallden (waiting for his Novice call). From our Novice class we welcome: Michael Madden; Don Petersen; J.J. Lauer; Jim Reiter; Robert Keller; Robert Kohler; Donald D'Bella; Wally Noble; and Will Ewing, Eric Tofrud,KB6NOA and Marshall Feldman who is waiting for his Novice call. Christopher Martens just passed his Novice and joins his parents in SCCARA, Rich,KA6UOE and Cathy,KB6LCL. I hear their 7-year-old is listening to the code tapes now. Stay tuned!

UPGRADES.....

Jim Daddysman,K6YRG from Advanced to Extra; Frank Niefels,M.D.,KA6MYP to Novice; Bill Keough,KB6MYD to Novice; Ken Stackhouse,WA4IAI from Advanced to Extra; and Bob Hallden, Novice. Upgrading from Novice to Tech: Mickey Lutz,KB6NBI; Kathy Getsla,KB6ICQ; Fred Smith,KB6MGZ; Francis Legendre,KB6MXF; Bill Gritter,KB6NBB; Lee Henderson,KB6MXH; Allen Levin,N6NDV; Frank Grasso,N6NSO; Joseph Grasso,N6NSN; Mike Hastings,KB6LCL; and Warren Benson,KB6JOB. Florenzio Canonizado,KB6MHA from Tech to General. I hope I didn't miss YOUR upgrade!

SILENT KEY.....

Few SCCARA members knew Bud Lee. Since he came to our last Novice class late in the course, he planned to attend our next session, but Bud suffered a fatal heart attack on April 28th. Bud was a longtime, serious CBer and hoped to share the joy of amateur radio with his wife. Those of us that met Bud are saddened that he will not reach his dream. Our condolences to his wife, family and friends.

CONVENTION.....

Excitement is building over the 1986 convention. I receive registrations every day. The exhibits will be busy and interesting as HRO, JUN and QUEMENT will be there. Also noteworthy is that ICOM and YAESU will have booths. Kenwood will be represented by their participation in provision of the grand prize, the TS-940S. Several club members have send in their registrations. Don't miss out. Send yours NOW!!

REPEATERS.....

A Repeater Committee has been formed with Keith Butts,KN6K as chairman, Craig Stewart,KF6SD; Ed Mangan,KB6DLB and Ben Wilbanks,KA6R. Let's give these guys our support as they iron out what the machine can do and what the user's want it to do. Your contribution will, of course, be very welcomed!

ETCETERA.....

My apologies to those new members who just got their cards. I fell behind in my duties...and I promise to stay up-to-date with new business. Actually, we have gained several new members (as you can see above) and membership is back up to 239. Yes, I said back up as we dropped down to 222 after non-paying members were dropped a couple of months ago.

Out of this substantial membership we hope to get many volunteers to assist in producing the Convention. Shorty has been very busy working on it, and believe me, there is a lot more to putting on one of these events than just taking out a few ads, buying some

prizes and showing up at the place! Many amateurs from other clubs have offered to assist, but as we decided to make this one a SCCARA-produced event, we would rather have OUR clubmembers participate. If you are asked, please try to make time available to help. It could bolster your enjoyment of the Convention. I think the Convention will make you proud to be a SCCARA member!

FIELD DAY.....

I also fell behind in tallying the Field Day score. I still have not done it...but I will..if I can figure out my own handwriting!!!! Whatever-the-score, we sure had a good time. Next year=even better!

DX DX DX.....

Member Marvin Moye, N6MXR arrived at Diego Garcia on April 11th. He sent me a letter, and I would like to share it with you. Marv found that the base commander, seeing very little amateur activity from this island, was going to close down the shack. Counting Marv, there were only 2 other hams using the facilities. You can bet they scurried about to find more operators..and they did.. a total of 13 operators now.

The station is an Icom IC-745 into a Heath SB-221 heater and a TH7 tribander up 100 feet. *HOW DID THE OTHER HAMS MISS THIS ON SUCH A SMALL ISLAND??* Also on duty is a second station consisting of a Swan 500CX into a Cushcraft beam at 40 feet. Sounds like they are well-equipped. They are restricted to 400 watts input due to possible interference to other communication gear on the island.

You CW freaks should look for Roland,VQ9RB or John,VQ9ZZ on 15 or 20 meters daily between 0700 & 0900 OUR time.

Marv is VQ9MM ("Mickey Mouse") and wants to work the Westcoast,..particularly the Bay area. He will be on every Friday at 0600 and 1800 OUR TIME for 10 minutes at least on 14.200 MHz. Look for him!

Also among the DXers now is our own Denny Vernier,N6UBC. Denny is in Greenland on assignment for Ford Aerospace. He is waiting for his own call (may have it by now!), but is on-the-air from QX3BA on Sunday mornings around 14.205 MHz. He has promoted a 100-foot-tower and log periodic antenna! Art,KG6PY sent him a new IC-751A, so look for a nice, fat signal out of QX-land! Denny has a linear but needs 2 #TRM/PT-9790-764C to get it perking. The linear was made by Transworld Communications of Encino. This company is now defunct, so help is needed. Do you have any info that would help Denny?

Denny's QSL manager is Fran,KA6UUS. Denny usually calls Art twice-a-week to update him. Art has asked Denny to also operate in the General portion of the band, and we may even get him to work some Novices!

THE END.....

Lot's of news this month. Don't say you DIDN'T read it in the SCCARAGRAN!!!

See you at the next meeting!

73 de Dan,WM6M



SCCARA MEMBERSHIP ROSTER

GALE "A1" ALLEN	KA7AHW	BRUCE FLORIP	N61BT	ALLAN DAVIES	W60AT	CHAS. K. EPPS
RICK ALVAREZ	KG6AK	JOHN A. VINCENT	K6IUU	VIRGINIA METZGER	WB6DDL	WALT MITCHELL
RICHARD BALTZ	W6AKM	GEORGE D. SNELL	KA6IWA	FRANK X. DRZCO	KA6OEC	D.F. GARDNER
MICHAEL BERGMANN	N6ANE	GENE HILL	KA6IMK	WILLIAM C. MAGBY	WB60ML	WM K. ROBINSON
SCOTT CATTO	KA6AYX	FRED E. WALLIN	N6IZB	JANE JAMES	W600Y	ROBERT I. WHARTON
ETHAN M. COBURN	N6AZL	WILLIAM L. SHEPPARD	N6IZE	ROBERT E. PURSEL	K6PBQ	DONALD L. VILLAGE
KAREN Y. DE WEEGER	N6AZM	SCOTT SHEPPARD	KA6J	ALFRED W. POUND	WA6PWT	RONALD JONES
LOU DELEERSNYDER	ND6B	RICHARD FORBIE	KB6JBP	GARTH O. RITCHIE	KG6PY	ARTHUR FURTADO
CINDY DRESSLER	KB6BMQ	STEVE TRINKLE	KB6JBQ	FRANCES GRAMBSCH	KA6PZD	ROY C. BERNER
RICK DRESSLER	WB0BMY	KARL KASEL	KB6JOB	WARREN BENSON	KA6PZE	JOHN G. PETERSON
JUDITH EDWARDS	WB6BPU	LOUIS JAMES	WB6JPL	HARRY KING	WQ6Q	JOSEPH S. KENNEDY
BILL ENGLISH	K6BQN	WILLIAM KEAGY	N6JYS	LYMAN D. CROWELL	WB6QXT	JOHN A. HERSCHKORN JR
ARNULFO ESPINOZA	KD6BS	STEVE STEVENS	KN6K	KEITH BUTTS	WA6QYS	LOUIS STEIRER
FRANK GRASSO	KB6BW	MARTIN J. OPPENHEIMER	N6KLP	DON H. PARSONS	KA6R	BEN WILBANKS
JOSEPH GRASSO	NBBXD	EDWARD A. WALKER	N6KLG	ROBERT L. RICHMAN	W6RGG	ROBERT B. VALLIO
JOHN GRAY	K6CAY	OTHO LAWRENCE	N6KMQ	WILLIAM A. JOHNSTON	K6RQ	FRANK GLASS
OLGA GREELY	W6CFK	DICK F. BARRETT	WA6KUC	ROBERT HUDGENS	KF6SD	CRAIG STEWART
WILLIAM GRITTER	WD6CGI	HENRY PONCE	KB6KUF	ROBERT T. MARTIN	KD6SV	RAY PETSCHONEK
GWEN HAAS	WD6CHD	ED RAWLINSON	KF6KV	WILLIAM BEEDLE	W6SXO	DALE DETWILER
LEE HENDERSON	WD6CHL	VERNON L. ROBERTS	WA7KXN	RANDY HOSMER	WA6TBT	JOSEPH MANNINA
ALBERT HERSCHBACH	N6CKV	CARL FIRST	KJ6L	JERRY CRACCHIOLO	WA6TEM	RICK GRAMBSCH
THOR JOHNSON	N6CMJ	DICK RAWSON	KB6LBW	CLAIRE TRUE	KB6TO	MERRILL A. CARD
WILLIAM J. KEOUGH	W6CNN	LEO W. RUTH JR.	KB6LCJ	MICHAEL HASTINGS	WA6TOF	JAMES B. CATTO
JAN KINSEY	W6CNT	JOHN STARKEY	KB6LCK	BRIAN PACCHETTI	NR6U	FRED EDGAR
BEN KUCKENS	K6DEZ	GEORGE M. FUJII	KB6LCL	CATHY MARTENS	W6UBC	DENNIS R. VERNIER
BOB LANG	KB6DLB	EDWARD P. MANGAN	KB6LCM	CINDY SENFF	WA6UMQ	JERRY BRODY
BUD LEE	KB6DLG	CLARENCE W. DODGE	KB6LCN	MIKE SENFF	KA6UOE	RICHARD MARTENS
FRANCIS LEGENDRE	WA6DYP	JOSEPH QUIRANTES	KB6LCO	ANNA CRACCHIOLO	WB6UOM	ERNEST G. ZUMBRUNNEN
ALLAN LEVIN	N6EEZ	DAROLD S. COELHO	KB6LCP	MARYANN SASO	KD6US	ROBERT E. EGGERS
SHARON LUCERO	K6EJF	JOHN S. TANNER	KB6LCQ	RON SASO	KA6UUS	FRAN ELLIOTT
TONY LUCERO	KB6ELS	KAREN FURLOW	KB6LCR	ERIC HOMA	WA6UWF	JOHN MEIERDIERKS
JOSHUA LUTUS	KB6ELV	GEORGE RISHELL	KB6LCS	KEVIN BALTZ	WE6V	JAMES M. O'KEEFE
MICKY LUTZ	KB6ELW	ANITA RISHELL	KB6LCU	TIMOTHY J. ROSCHMANN	K6VIP	ROYAL METZGER
ALLEN MEDLEY	W6EOA	SAM TERESI	KB6LCV	RAY HUTCHERSON	WA6VJY	STAN GETSLA
CASEY NESBIT	WB6ESZ	RUSS K. GOODLIVE	W6LDO	WALTER DRZDIAK	WA6VKB	JEANNETTE WILDHOFFER
ANDY NOBLE	NA6F	DONALD W. COELHO	KB6LFZ	JOAN HASTINGS	WA6VLY	MIKE OSBORNE
JORGE OLIVEIRA	KA6FRK	JOHN E. FRAHER	K6LHQ	ALFRED GORDOY	W6VZT	AL GAETANO
JACQUELINE SCELLATO	WA6FTP	GARY NIEMEYER	KA6LJD	ALVIN BOYD	W6WGO	PAUL TIBBS
DEIDRE SCHUPP	N6FZS	MERVIN ENOS	KA6LJG	HAROLD L. KELL	WB6WKM	DICK LETRICH
ANGELITO D. SIOSON	WA6BBQ	BURT SIMPSON	N6LTN	ROLAND KRETSCHMANN	WA6WNU	SEGUNDO P.I. ACUNA
FRED SMITH	WB6BFS	ROSS FORBES	KB6LUC	GEORGE T. SERVER	K6WR	BRAD WYATT
RALPH D. STERN	KB6BHF	ROY SCELLATO	KA6LWI	LOUIS SOCCIO	KA6WXD	CAROLYN SIMS
HERBERT VANDERBEEK	K6BJJ	HELEN TANNER	WB6LZH	ALAN BORKEN	WB6X	L. CARLA WATSON
FRANK L. WIEFELS, M.D.	WA6BKV	THEODORE BRICE	AE6M	HARRY WIJTMAN	K6YKG	JAMES DADDYSMAN
CHRIS ZERCHER	KF6HD	DOUG EATON	WM6M	DAN DIETZ	KA6YMD	WALLACE A. BRITTEN
BOB HALLDEN	WA6HET	GEORGE E. ROUSH	WBMDA	ALAN M. HELLER M.D.	WB6YRS	PAUL A. SCHMIDT
AAAA	KB6HKW	SAM BIGHAM	KB6MHA	FLOR CANONIZADO	WA6YRU	JOSE BOCANEGRA
KG6A	KA6HLO	GORDON F. RATHBURN	W6MKE	WILLIAM E. WALTERS	AE6Z	EMMETT F. FREITAS
KB6ABG	N6HLY	CARL L. BALL	N6KMF	LEE HENRY	W6ZM	BILL J. STEVENS
KB6ABI	KE6HM	CLIFTON FURLOW	K6MOB	TONY SANCHEZ	W6ZRJ	JEAN A. GELIN
KB6ABD	KB6HMR	JIM NEWSTED	K6MXR	MARVIN C. MOYE	KB6ZV	RODNEY J. STAFFORD
KB6ABQ	KB6HRN	LARRY CUMMINGS	N6NGS	BURT SEYMOUR		
KA6ACK	KB6HSL	JOHN WILHELM	W6NJR	FRANK A. NEMEC JR.		
W6ACW	KA6HTP	FRANK MITCHELL	WB6NLA	BERT SACKS		
KA6AEC	KB6ICQ	KATHY GETSLA	N6MWX	PAUL ALLAN		
KA6AFK	N6IEC	PHIL VARGAS	W6NXX	FRANK QUEMENT		
KA7AHV	WA6IER	JACK S. RUSSELL	WA6O	GEORGE A. ALLAN		

CQ YL; CQ YL; CQ YL de Carla, W06X

Well!!! the response to my column has NOT been overwhelming.

To begin with July has been a very busy month for W06X. I have had company from Rome, Italy; and I have taken a long awaited, very enjoyable, and very informative trip to New York. But, like any vacation, time went by very fast, and I am now back to the "old grindstone" as the saying goes. It feels good to be back, and I am very appreciative of California weather.

I heard some very exciting news upon my return. It seems that a number of our YL's have upgraded their licenses. Congratulations to the gals. Especially to Cathy, KB6ICQ--why did you wait so long Cathy? Also to Mickey, KB6NBI. I am looking forward to contacting you Mickey--where are you hiding? Here is a message to all you YL's: now that you have phone privileges please do some talking.

In my column for May I wrote about the mermaids of BAYLARC. I was unable to attend the July meeting because of my vacation. Attendance was very good, and about fifty YL's have joined.

The next meeting of BAYLARC will be held on Saturday, August 9 at the home of W6BDE in Moss Beach. Special guest will be Frances Wooley, G3LWY. Anyone interested in attending please feel free to call me for particulars (408-773-1885). OH YES!--OM's ARE ALSO INVITED.

You are wondering why BAYLARC uses the mermaid emblem, and members are called mermaids. Well, in the sixties, it was discovered that on maps San Francisco Bay and San Pablo Bay resemble a mermaid with a pony tail. She is slightly bulging around Burlingame, but otherwise has a comely figure. We hope that you will think of the gals of BAYLARC each time that you see the two bays on a TV weather map.

In New York I made many contacts on VHF and UHF. I used my dual bander and my HT in the car and at home. I found New York operators to be very friendly, very informative, and very helpful. I hope to contact some of my new freinds on the HF bands.

I learned that New York hams have an "equipment-bank" and an "Elmer-Bank" going. Gear collecting dust on a ham's shelf is donated or loaned to the "equipment-bank". This equipment is loaned to new hams for a certain period of time. During that time the "Elmer-Bank" steps in to assist the new ham in getting oriented to the mysteries of hamming. It is a real incentive to the new hams, and the program has been very successful. I call this really getting involved, and I suggest that the "club fathers" follow suit. Hi! Hi!

Speaking of getting involved. Some OM's of SCCARA work hard at gathering news and making the SCCARAGRAM an interesting news letter. I am sure that you enjoy reading the letter each month. Lets make some positive comments and give them a cheer at the next meeting.

By the way, my column is like anything running or growing; a car needs fuel to run; a plant needs water to grow...how about some input or comments?

CUL VY 33, Carla, W06X



FOR SALE & WANT

Rules are that only SCCARA Club members in good standing may use this service. Only items directly involved with Ham Radio may be submitted. A suggested price must be stated. All items will run for one issue only, unless resubmitted. Both name and phone number to be included.

FOR SALE:

Heathkit Station consisting of the following items

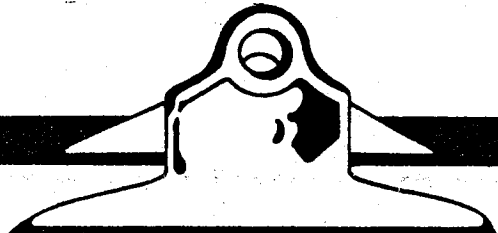
- Transciever.....SB 104A
- Power supply
- Speaker
- Clock / phone patch

100 watts out and its solid state finals

MAKE OFFER, Contact Joe, WA6DXP (408) 371-0959

PROGRAMS & EVENTS




 SCCARA-GRAM NEWS, HAVE YOU EVER WONDERED WHAT HAPPENS AT OUR AIRPORTS DURING AN EMERGENCY? HOW IS TRAFFIC HANDLED, HOW DO WE MOVE AND RECEIVE SUPPLIES, FOOD ETC.? HOW DO WE AS AMATEUR RADIO OPERATORS FIT INTO THIS PICTURE, COME TO OUR NEXT MEETING, MONDAY AUGUST 11th AT 7:30 PM AND FIND OUT THE ANSWERS TO THESE INTERESTING QUESTIONS. OUR GUEST SPEAKERS WILL BE MR. JAY JASO, DIRECTOR OF AVIATION, AND MR. RON HILL OF COUNTY EMERGENCY SERVICES.

DONT MISS THIS PRESENTATION, REMEMBER WE ARE MEETING AT THE COUNTY BOARD OF SUPERVISORS CHAMBERS AT 70 WEST HEDDING STREET, SAN JOSE

 ART, KG6PY



A "parity" bit is a bit added to a group of bits so that the number of ones (1) in the group is according to design, even or odd. The ASCII code has also been adopted as the international CCITT #5 code with some variations in symbols and codes. The U. S. ASCII code is shown in table 4.

The ASCII code is arranged so that numbers and letters occur in binary bit order. This is a notable departure from the Baudot code, which was arranged by Murray so that the most frequently used letters are represented by the least number of holes in a paper tape. The ASCII code was designed to optimize computer collation and sorting.

Although ASCII is used extensively for computer communications, there are many different interpretations of how the control of characters in the first two columns are used. This is particularly true in the case of "flow-control" or "handshaking" communications protocols. These are forms of recognition between computers to accept data via the use of pre-established procedures. In some systems DC1/DC3 are used for stop-start symbols. Other systems may use ACK/NAK or separate control wires in an RS232 connection. It is best to consult the manufacturer's manuals to determine specific ASCII requirements for a given computer or terminal.

To date, ASCII has seen limited amateur use, except for exchange of computer programs and in conjunction with packet radio systems. The reason is that there are still many of the older Baudot machines in use which cannot decode ASCII for normal amateur communications. Because ASCII is generally operated at data rates of 110 Baud and higher, the error rate on HF is typically higher than if 45 Baud Baudot is used. As more advanced communications techniques (such as packet radio) are developed, ASCII will become more common on amateur frequencies. There is very little commercial use of ASCII by shortwave RTTY stations, and government stations using h.f. ASCII communications also generally employ encryption. ASCII is growing in popularity for v.h.f.-FM operation, particularly when computer programs are to be exchanged at 300, 1200, or higher Baud rates.

The eight bit of the ASCII code has varying uses, depending upon the configuration of the computer system. It may be set to one of four different conditions: (1) always mark, (2) always space, (3) odd parity, or (4) even parity. All four choices are in use in various systems. Simple systems not using parity usually set this pulse to a mark. Parity is used in some systems to detect if a character has been received in error. When parity check is used, the state of the eight bit is transmitted is determined by counting the number of mark pulses used in the first 7 data bits. The eight bit is then set to make the total number of mark pulses to be either, an even or odd number. For example, if odd parity is to be transmitted and the letter to be sent is "A" (first seven bits = 100 0001), the eight bit is then set to "1" to make a total of 3 mark pulses in all 8 pulses(1100 0001). Similarly, the letter "C"(100 0011) would have the 8th bit set to "0" in an odd parity system (giving 0100 0011 for the full ASCII character).

An even parity system would, of course, have the exact opposite computation of the 8th bit state.-----to be continued----- BY HARRY, AE6M

..... The Equipment Column, by Eric N6NMZ

Hello everyone. It's already August, half of the summer is already gone. This column is getting easier to write each month. The lack of response is tremendous. I've been spending most of my time lately in the Sierra foothills. I'm trying to get my code up to speed.

I would like to thank Dick, WB6WKM, for his comments on the Yaesu FT-757 GX. It seems that it would be an excellent radio for anyone to own. I spoke with a 757 owner in Sacramento a few weeks ago and he swears by it. His call escapes me right now.

I received some information from Vern, WA6RTL, about the Yaesu 2700RH. He wants to warn everyone to be sure and keep the radio lights in the dim position. He used his in the bright position for a while and the heat warped the switch panel. The result is a complete loss of memory and pl selection. Apparently he isn't the only one to have this problem. A call to Yaesu reveals that they are working on the problem and will soon come out with a retrofit to correct it. Thanks Vern!

I spent some time speaking to Curt, WB6HEF. He is the guy that spends hours upon hours every week running some of the swap nets. We want everyone to know when these swap nets are. Here is a list:

Monday	7:30 PM	146.88 MHZ	Stockton
Monday	9:00 PM	146.76 MHZ	San Jose after net
Tuesday	8:00 PM	147.195 MHZ	Sacramento
Tuesday	8:00 PM	146.835 MHZ	Pine Grove after net
Thursday	8:00 PM	145.21 MHZ	Stockton
Friday	2:00 PM	7.255 MHZ	Western U.S.
Saturday	9:00 AM	145.41 MHZ	Mt. Diablo
Saturday	12:30 PM	7.265 MHZ	Western U.S.
Sunday	12:30 PM	7.265 MHZ	Western U.S.

If anyone has any to add to the list, please send the information in. These swap nets are a very good source for equipment. I want to thank Curt for providing this information and for doing such a good job on the air.

Has everyone seen the ads for the new Yaesu Dual-band HT. It looks like it's going to be the hot set up for a while. I know that Larry, KB6HRN is going to get one soon. I hope to get a full report on it when he does.

Until next month, happy hamming. The address to send input to this column is: Equipment Column, P.O. Box 360640 Milpitas, Ca. 95035.

73's
Eric Homa N6NMZ



MORE ON THE YAESU FT-757GX

The response to the comments on the 757 last month, prompt me to add just a little more. Now to be sure its not the only rig on the market thats really neat, but for the price its in a class by itself. What other rig has so much to offer for the price (no hidden extras), is easy to use as a base or a mobil. Don't forget that it even has a built in CW keyer with QSK! The automatic keyer is very smooth and the speed adjustments are at your finger tips. Put 13.8 volts and an antenna to it and your done. You can get a matching automatic antenna tuner (outboard) if you like, but it really will give you good service up to 3:1 SWR. That means that it will tolerate a reasonable mis match in an antenna. A matching speaker/phone-patch and your choice of power supplys. I find the internal supplied speaker to be excellent in both mobil and base service, providing good audio response. I use mine almost only in mobil service, but in the shack I use it powered by an Astro 20 amp regulated power supply, using my regular antennas. It will drive my amplifier with the relay box with out an antenna tuner. I can't say the same for the 940. In the car I use a rear bumper mounted Hustler with a plate thats tringler in shape that allows me to run any three bands of my choice as I'm driving along without the need to stop and change coils. Due to the poor conditions I have been running 40/20/15 Meters. When the bands come back I'll run 20/15/10 as I like 15 & 10 meters to hold mobil QSO's. Well if you have any doubts about the quality of this rig, go and look at one, then find someone who has one who has one and go sit down with it and fire it up==I'm sure you will be surprised and pleased. Who said "Good things come in small packages"? They must have been thinking of the YAESU FT-757GX..... WB6WKM



--00-- --00-- --00-- --00--

A Ham walked into the radio dealer's store to look things over. He had laryngitis and, try as he would, he could barely manage a whisper. He whispered to a salesman, "What make rigs do you handle?"

The sales clerk, not knowing why his customer was whispering, whispered back, "I handle ICOM, Kenwood, Yaesu and Drake."

"I see. Do you have laryngitis, too?" asked the Ham operator.

"No, sir. Just Kenwood, ICOM, Yaesu and Drake."

FROM JOHN TANNER, K6EFJ
--00-- --00--00-- --00--

THE "ROYAL ORDER OF THE WOUFF HONG"

MORE COMMONLY REFERRED TO AS THE WOUFF HONG, IS A RITUAL THAT IS GIVEN TO ONLY THE DESERVING. TO QUALIFY YOU MUST BE A LICENSED HAM. IT DOESN'T MATTER IF YOU ARE A NOVICE OR AN EXTRA CLASS HAM, BUT UNTIL YOU RECEIVE THIS LESSON YOU ARE IN THE EYES OF THE INDUCTED, YOU ARE STILL A NOVICE. SO YOU CAN SEE THAT IT DOSN'T MATTER IF YOU ARE A YOUNGSTER OR AN OLD TIMER, YOUR STILL A NOVICE UNTIL YOU HAVE PARTICIPATED AND RECEIVED THE " WOUFF HONG" DEGREE.

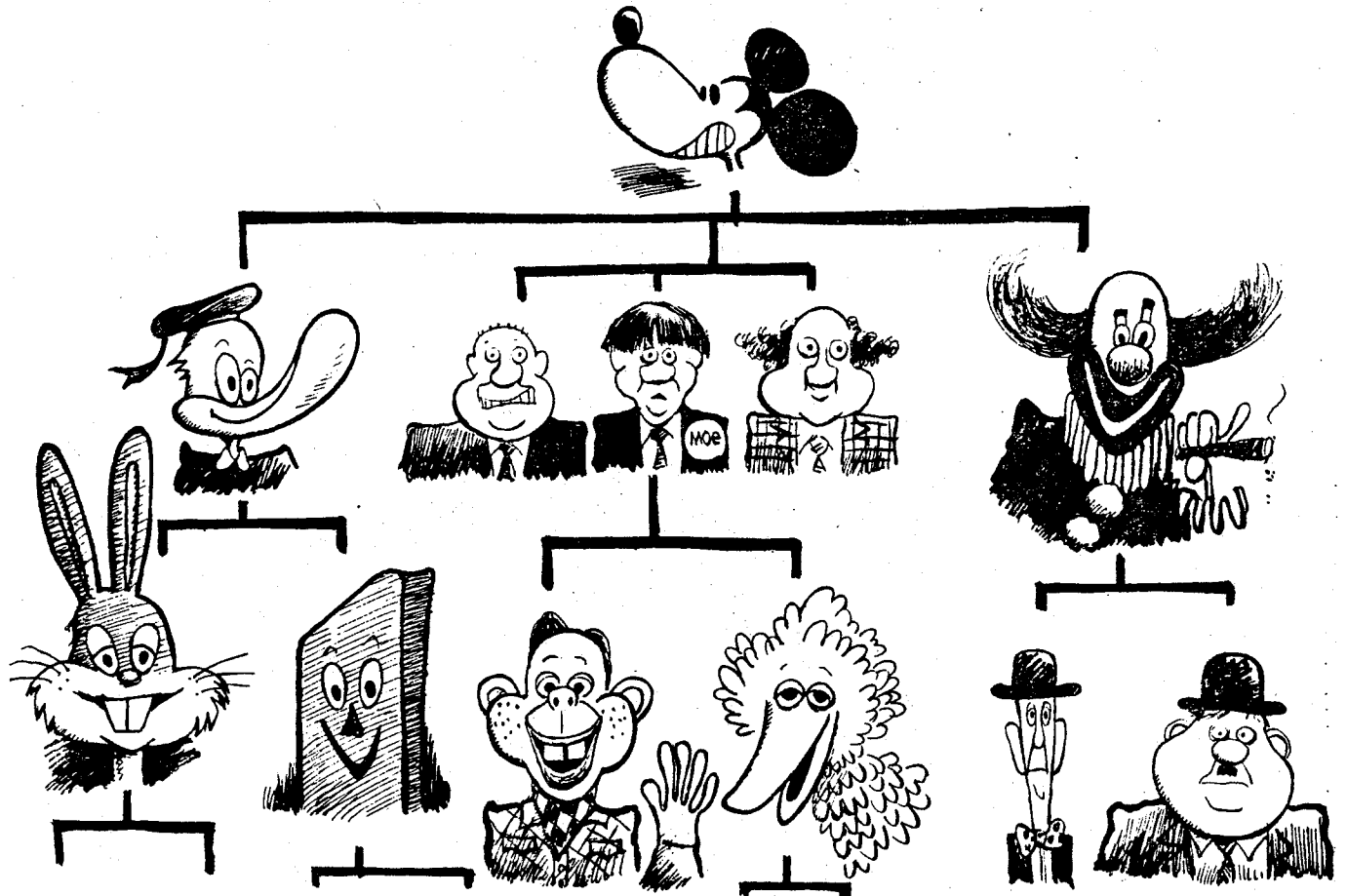
IT IS PRESENTED IN A RITUAL FORM, THAT MEANS TO ILLUSTRATE ITS LESSONS IT IS A STORY THAT IS PORTRAYED WITH A CAST OF ACTORS IN COSTUME. TO RECEIVE THIS HONOR, YOU NEED ONLY TO ATTEND THE RITUAL AND LEARN ITS LESSONS AND BE WILLING TO ABIDE TO ITS TEACHINGS.

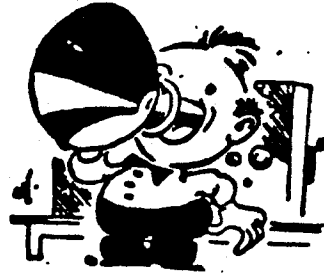
THE SETTING CALLS FOR THE RITUAL TO BE HELD LATE IN THE EVENING, SO IF YOU WOULD LIKE TO BECOME ENLIGHTENED PLAN TO COME AND STAY LATE SATURDAY NIGHT OCT.4TH AT THE PACIFICON '86.

IT HAS BEEN MANY YEARS SINCE THE WOUFF HONG HAS BEEN PRESENTED AND BESTOWED IN THE SAN FRANCISCO BAY AREA, AND BECAUSE OF ITS COMPLEXITY FEW HAVE BEEN WILLING TO TAKE THE TIME AND EFFORT TO ORGANIZE THE PRESENTATION. THE CEREMONIES WILL TAKE ABOUT 45 MINUTES, THE TIME WILL BE WELL SPENT, SO THE SCCARA INVITES YOU TO ATTEND. IT WILL COST YOU NOTHING BUT A FEW MINUTES AND I'M SURE YOU WILL BE WISER FOR YOUR EFFORT.

DICK LETRICH, WB6WKM

MANAGERIAL FLOW CHART





WHAT MAKES AN OUTSTANDING CONVENTION?

A lot of hard work, sure, BUT seriously, it's gotta be when the delegates, XYL's, vendors, speakers, and we who put it on all have smiles on our faces when it's over.

That's a tall order, but SCCARA has done this before. It takes a finely tuned ear to recognize the ever changing interests of an amateur delegate. He or she wants to learn in a pleasurable way about the current "state of the art" equipment today - not to be overwhelmed by engineering facts we could always look up; what's happening to our favorite hobby; and who is making it happen. We want to have eyeball QSO's with our friends we talk to but never see! We want our XYL to be having a good time while we are living it up!

We want the right vendors/manufacturers to exhibit the kind of equipment we want to buy - and we'd like them to go home with their pockets jingling as they walk, not run to the bank.

It's a real satisfaction to be a speaker in a field of great interest to your audience, when your talk is just what that audience wanted to hear.

Maybe it's apple pie and 4th of July if we open our convention with the Pledge of Allegiance and have a Wouff Hong ceremony in its deepest tradition - to maintain our sense of the benchmark "purpose of Amateur Radio to provide a voluntary, non-commercial service that provides for emergency communication, the advancement of the state of radio art, and a trained pool of operators, technicians and electronic experts." (97.1) Check out our VEC exams on site.

The many "awards" to be "distributed" could make this trip mighty nice so register early!

And our good friends the vendors. Most of the majors will be there to allow a little of that "hands-on" magic to inspire you. We want them to be happy enough to come back next year.

And SCCARA - we hope to have the satisfaction of having done it ALL right this year!!!

Sound like a lot of hype? Not really, our programs are not a potpourri mishmash, but selected for your satisfaction. We want your XYL and you, both, want to come back to Silicon Valley when SCCARA does it again!!!

A LOOK AT SUNSPOTS OF THE FUTURE BY Jim, K6ZH

At the Naval Ocean Systems Center when Joan and I work, we have a group of Atmospheric Physicists who make it their job to know as much as possible about HF propagation. The Navy depends upon this knowledge to optimize its use of HF ship-shore communication links. They've gotten so fancy in this area that there is an on-line computer system at NOSC that Navy communication stations worldwide can access and find out the best path for a given link. This computer at NOSC receives reports from ionospheric sounders around the world every few minutes. So if you query it and say: for a given link, the transmitter is at XX latitude, YY longitude, the receiver is at such-and-such position, the antennas at both ends have so much gain, and the transmitter is putting out ZZ watts, the computer will give you a Frequency of Optimum Traffic (FOT) as well as the Maximum and Lowest Usable Frequencies (MUF and LUF) for that link, right now! Even fancier, the computer will plot a color map of the world showing in contours where that signal will be heard throughout the world!

Anyway, this same group has a model for predicting sunspots. Dr. Adolph Paul and others have been working on an iterative model for years that has the best curve-fit to known sunspot counts. Sunspot counts have been made since 1840. The graph below shows Dr. Paul's model fit as well as actual sunspot counts from 1940 to present, and his projections from now until 2040. Note a couple of things. BOTH the peak and valleys on this plot are sunspot maxima--zero is in the middle. Note also that conditions are going to be rotten for a long time! The message here is: invest in 80 meter beams or start using OSCAR a LOT!! If any of you want more detailed information on this model or the results, let me know and I'll pass your questions to Dr. Paul.

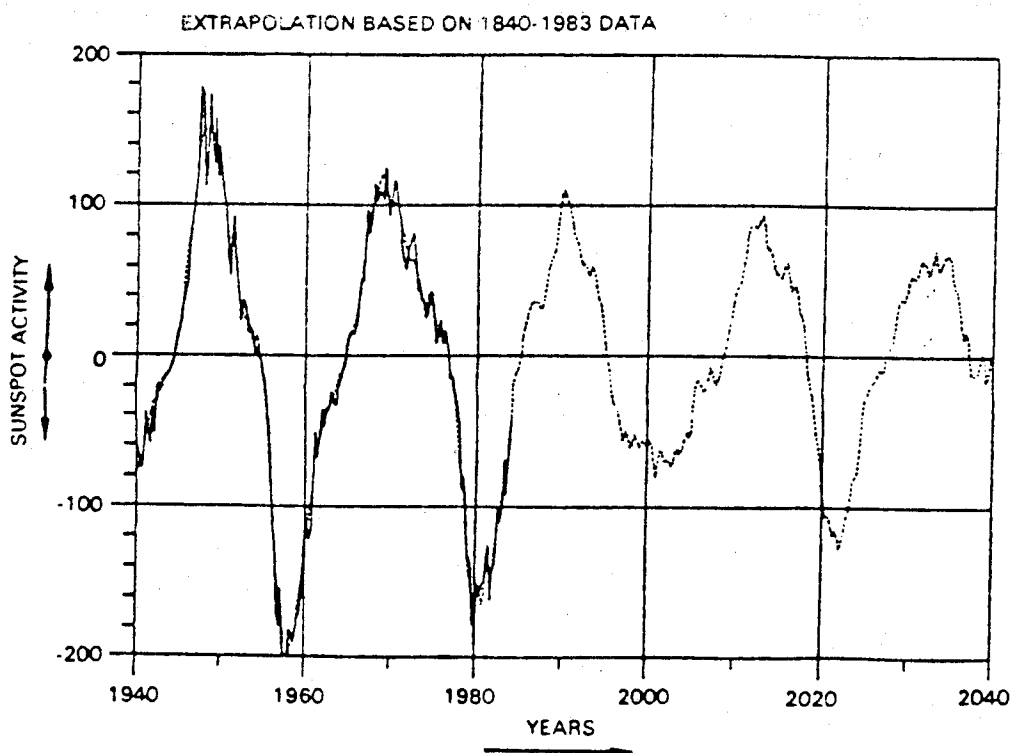


Figure 2 Dr. Paul's model (the graph composed of dashed lines) closely approximates sunspot occurrences (the solid curve) for the years 1940 through 1983. Greatest sunspot activity occurs at highest positive and lowest negative readings on the curve. Positive values indicate one orientation of the sun's magnetic field whereas negative values indicate the other orientation.



SANTA CLARA COUNTY AMATEUR RADIO ASSOCIATION
CORDIALLY INVITES YOU TO ATTEND



PACIFICON '86
THE ARRL PACIFIC DIVISION CONVENTION

OCTOBER 3-5, 1986
to be held at
THE LE BARON HOTEL
1350 North First Street
San Jose, California

EXHIBITS * TECH FORUMS * DX FORUM * YL PROGRAM * SPOUSE PROGRAMS
AWARDS
SPECIAL INTEREST BREAKFASTS * BANQUET * SPECIAL SPEAKERS
AWARDS
LICENSE EXAMS * WOUFF HONG CEREMONY * TOUR OF STANFORD LINEAR ACCELERATOR
TALK IN ON W6UU, 146.985/385

SPECIAL CONVENTION ROOM RATES AT THE LE BARON HOTEL
\$50.00 per NITE - SINGLE or DOUBLE!

CONTACT THE LE BARON HOTEL DIRECTLY FOR RESERVATIONS - TEL (408)288-9200
(BE SURE TO MENTION THE CONVENTION TO GET THE SPECIAL RATE)

SPECIAL EARLY REGISTRATION INCENTIVES

REGISTER BEFORE SEPTEMBER 20th and DEDUCT \$3.00 FROM THE REGULAR
REGISTRATION FEE OF \$ 15.00!

PRE-REGISTER THRU JULY & GET 3 PRE-REG. AWARD CHANCES!
PRE-REGISTER IN AUGUST & GET 2 PRE-REG. AWARD CHANCES!
PRE-REGISTER SEPT 1-20 & GET 1 PRE-REG. AWARD CHANCE!

YOU CAN USE THE COUPON BELOW TO PRE-REGISTER. SIMPLY FILL IT OUT AND MAIL
IT WITH YOUR REMITTANCE TO SCCARA.

SCCARA, DEPT COMM/SG
P.O. BOX 6
SAN JOSE, CA 95103

ENCLOSED IS MY CHECK/MONEY ORDER (made payable to SCCARA) TO
COVER REGISTRATION FOR PACIFICON '86 AS FOLLOWS:

EVENT	AMOUNT	MYSELF	SPOUSE	TOTAL AMOUNT
CONVENTION *(\$15.00 AFTER SEPTEMBER 20th)	\$ 12.00*	_____	_____	\$ _____
BANQUET	\$ 20.00	_____	_____	\$ _____
SLAC TOUR	\$ 8.00	_____	_____	\$ _____
WINCHESTER MYSTERY HOUSE TOUR	\$ 14.00	_____	_____	\$ _____
WOUFF HONG	\$(NO FEE)	_____	_____	\$ (NO FEE)
GRAND TOTAL	_____	_____	\$ _____

NAME _____ CALL _____
SPOUSE'S NAME (if registered) _____
ADDRESS _____
CITY _____ STATE _____ ZIP _____

18 OR YOUNGER LICENSED OR CHILDREN OF LICENSED FREE WITH
NO AWARD CHANCES - BUS DEPARTURES: SLAC TOUR OCT 3 - 10
AM. WINCHESTER TOUR (FOR SPOUSES INCLUDES STOP AT VALLCO
SHOPPING CENTER FOR SHOPPING--LUNCH NOT INCLUDED) OCT 4,
10 AM RETURN TO HOTEL 3 PM -INFO (408) 243 8349

PRE-REGISTRATION AWARD: ICOM 751H
GRAND AWARD: KENWOOD TS940S
Banquet Speaker: Lenore Jensen, W6NAZ

W6UU



W6UU
(Repeater)

Santa Clara County Amateur Radio Association

P. O. BOX 6 SAN JOSE, CA 95103

SCCARA

PRESIDENT.....Ed Rawlinson, WD6CHD / 264-2988
VICE-PRES.....Art Furtado, KG6PY / 371-2655
SECRETARY.....Jose Bocanegra, WA6YRU / 266-2997
TREASURER.....Dan Dietz, WM6M / 224-9023

DIRECTORS;

George Allen, WA60
Clarence Dodge, KB6DLG
Herb Himmelfarb, KB6ABG

Bob Richmond, N6KLQ
Lou Steiner, WA6QYS
Harry Wijtman, AE6M



SCCARA-GRAM STAFF: Dick Letrich, WB6WKM, Edit. / 264-0965
Joe Quirantes, WA6DXP, Data Base Mgr. / 371-0959
Ed Rawlinson, WD6CHD, Mailman, / 264-2988

CLUB REPEATER....Input 146.985 MHZ=Output 146.385 MHZ. On-the-air meeting Monday Nights 7:30PM Local time except on regular meeting nights.

REGULAR MEETINGS, are held the second Monday of each month. Meetings start at 7:30PM Local and are held at the COUNTY SERVICE CENTER 1555 BERGER DRIVE, BLDG. #2, San Jose. Visitors are always welcome.

Permission to reprint articles is hereby granted provided source is credited.

SCCARA-GRAM is published monthly by the Santa Clara County Amateur Radio Association.

SANTA CLARA COUNTY
AMATEUR RADIO ASSOCIATION
AFFILIATE OF
American Radio Relay League
P.O. Box 6, San Jose, Ca 95103

Non-Profit Org
U.S. Postage
PAID
Permit No 3318
San Jose CA

WD6CHD
ED RAWLINSON
2619 ARAGON WAY
SAN JOSE, CA. 95125