

JULY 1982

PRESIDENT: JOHN MCKINNEY N6AVW X-6610
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Director at Large: STAN SANDER N6MP
Trustee: JAY HOLLADAY W6EJJ
Emergency Comm: MERV MacMEDAN N6NO
Editor: EILEEN MCKINNEY KA6DGV

Club Meetings: 2nd Wed of month
12 Noon in 238-543. All welcome

Board Meetings: 4th Wed of month
12 Noon in 238-543. All welcome

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MAIL STOP

Jet Propulsion Laboratory
W6VIO Calling M/S 233-208
Attn: Eileen McKinney-Editor
4800 Oak Grove Drive
Pasadena, California 91109

jpl → W6VIO CALLING



Club Sponsored OPEN Repeater: W6VIO/R
222.44 in/224.04 out. Has user operated
link to WR6AZN on Table Mountain. Closed
Repeater Member Only with autopatch.
222.48 in 224.08 out

NETS: Amateur Radio News: Tues 8PM on W6VIO/R
OSCAR Net: Wed 8 PM W6VIO/R

Club Simplex Frequency: 223.4

PLEASE ATTEND YOUR MONTHLY MEETINGS AND BE
THERE TO SUPPORT YOUR CLUB. A CLUB IS ONLY
AS STRONG AS IT'S MEMBERS. PLEASE ATTEND!!!

WANTED - SOMEONE TO HELP THE CLUB OUT AS
PROGRAM CHAIRMAN.

JOB DESCRIPTION - JOB ENTAILS TAKING
SUGGESTIONS FROM MEMBERS ON A GUEST SPEAKER
THAT THEY WOULD LIKE TO HEAR AT MEETINGS.
PROGRAM CHAIRMAN'S JOB IS TO COLLECT THESE
SUGGESTIONS AND THEN TO ACT ON THEM BY
TRYING TO CONTACT POTENTIAL GUEST SPEAKERS.

THIS IS A VITAL POSITION AS THESE SPEAKERS
ARE A TREMENDOUS ASSET TO CLUB MEETINGS.
SPEAKERS THAT ARE OF INTEREST TO MEMBERS
ENSURE THAT MEMBERS ATTEND THE MEETINGS
REGULARLY.

PLEASE CONTACT JOHN MCKINNEY X-6610 IF YOU
CAN ASSIST WITH THIS JOB. CO-CHAIRMAN ARE
WELCOME IF YOU'D LIKE TO VOLUNTEER WITH A
FELLOW MEMBER - TWO HEADS ARE BETTER THAN
ONE. ALSO IF YOU'D LIKE TO VOLUNTEER ON A
TRIAL BASIS, JUST GIVE A CALL.

WANTED QSL CARDS FOR VIO CALLING!!!

WOULD YOU PLEASE LOAN US ONE OF YOUR QSL
CARDS? WE'LL TAKE GOOD CARE OF IT AND
RETURN IT ASAP. WE WANT TO MAKE A COLLAGE
OF QSL CARDS FOR OUR AUGUST OR SEPTEMBER
ISSUE. IN ORDER TO DO THIS WE MUST HAVE
CARDS FROM OUR MEMBERS. THEY DON'T HAVE
TO BE MASTERPIECES BUT IT'LL BE FUN TO SEE
WHO HAS UNIQUE AND DIFFERENT CARDS. HAND-
DRAWN CARDS ARE ALSO WELCOME. PLEASE
FORWARD CARD AS SOON AS POSSIBLE (TODAY IF
YOU HAVE TIME) TO EILEEN AT ADDRESS ABOVE.
THIS WILL ONLY WORK IF YOU'LL TAKE THE
TIME TO SEND THE CARDS. PLEASE DON'T
FORGET.

DX NEWS FROM BOB N6ET

Panic mode has been entered for the second time in two months now. It appears that the DX newspaper I subscribe to is on it's way out of business, because it isn't publishing DX information anymore. Further my usual sources for supplemental information are either on vacation or out of town on business. I FEEL ALL ALONE! Hopefully you will understand the shortness of this months article on DX.

China - Rumors only exist that BY1PK is back on the air. 14030 & 21030 at 0700 GMT & 1400 to 1600 GMT are good frequencies to watch.

St. Paul Island - VE1SPI will be on with help of several other hams between 8-13 July. No frequencies given, but this should be both phone & CW on all bands.

African Tour - W4MGN will be traveling extensively in and around Africa this summer. He plans to activate a number of rare and semi-rare locations. His itinerary is listed below.

Now - 6 July	Gambia	(C53CC)
7 July - 8 July	Liberia	(EL2AG)
9 July-12 July	Kenya	(5Z4CZ)
13 July-19 July	Burundi	(9U5JM)
20 July-21 July	Kenya	(5Z4CZ)
22 July-26 July	Comoros	(D68AM)
27 July-30 July	Mayotte	(FH8CL)
31 July- 2 Aug	Reunion	(FR0??)
3 Aug - 7 Aug	Mauntius	(W4MGN/3B8)
8 Aug -11 Aug	Seychelles	(S79ARB)

Liechtenstein - DF4GV and DJ8BD will both be signing /HBO, primarily on CW, on the low 30kHz of each band.

Faroes Island - From 4 - 14 July, a Swedish group will operate a number of stations from this rare location. Look for OY5ACQ, OY5BTX, OY5IB, OY7WI and several others.

That's it! Hopefully some of my sources will be more available next month.

73's and good DX! (Bob N6ET)

CLASSIFIED COLUMN

FOR SALE - Offered as one package - SSB Transceiver, YAESU Model FT-101-E, Input 260W SSB, 180 W.CW 80 watts AM on all bands 160 to 10 meters.////CDE, HAM II Rotor system for antenna, Rotor plus Directional control box SWR-200B (Calibrator, etc.)///ANTENNA, Hy-Gain TH6-DXX "Thunderbird". 6 elements - Designed to operate 10, 15 and 20 meters. Complete with cable and 25' roof tower. Must disassemble from present location.///Phone patch speaker-YAESU landliner, Model SP-101PB. Box and dials//SWR Power Meter, Model SWR-200 by Osker. In-Out system.///Microphone, YAESU, mofrl YD-844. Whole system is brand new, installed but never used. Complete with Books and Instruction manuals. Ready for operation. ALL for \$1,980.00. If you need additional info call (213) 846-7820 (home) or 666-0906 (work).

THOUGHTS FOR THE MONTH

He who thinketh by the inch and talketh by the yard will be kicketh by the foot.

After learning the tricks of the trade many of us think we know the trade.

The man who is too old to learn was probably always too old to learn.

Nothing is impossible to the man who doesn't have to do it himself.

The reason worry kills more people than work is because more people worry than work.

Many a live wire would be dead except for his connections.

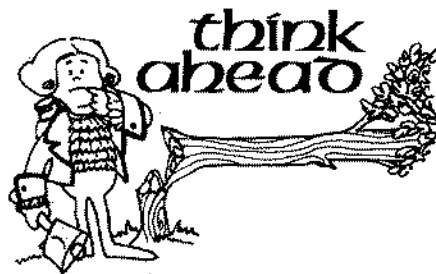
One of these days is none of these days.

(Eileen KA6DGV)

WATCH FOR NEXT ISSUE'S ARTICLES ON FIELD DAY, SPACE SHUTTLE COVERAGE AND HOPEFULLY SOLAR RADIO ARTICLE BY GIL (ALWAYS BUSY WITH A PROJECT) YANOW.

"THE IMPORTANCE OF SOLAR ENERGY TO THE WORLD OF AMATEUR RADIO!"

by
(Gil K6TOS)

QUASAR IDENTIFIED

Development of a method of configuring the 34m and 64m antennas at Goldstone near Barstow, California, as an S-band interferometer provides an effective aperture of 200 meters. This technique was used by a team of JPL and Australian radio scientists in 1980 and 1981 to refine the position of between 250 and 500 radio sources in the southern hemisphere that were included in the Parkes Radio Observatory survey at 2.7 GHz. As a result of this accurate positioning, last week the Anglo-Australian Observatory, at Siding Springs, Australia, was able to optically identify a dim quasar as the counterpart of a Parkes radio survey object. Calculations based on the redshift of the wavelength of the quasar light indicate that the quasar is some 18 billion light years from Earth. This is the most remote known object in the Universe, by a wide margin. This qualifies as the longest path DX reception yet! (Norm K6PGX)

WHAT ARE THE FLYING SAMARITANS?

Many of our members are pilots and a few are involved in an organization called the "Flying Samaritans"; so I asked Nash W6HCD to provide some information about the group for us. He responded with a newspaper article and so I've attempted to condense the facts into the following. (Eileen)

The Flying Samaritans is an organization of more than 400 doctors, nurses, dentists, pilots, interpreters, and ham radio operators joining forces to provide basic medical care and services in the very remote regions of Mexico. This group donates their time and their talent in order to lessen the suffering and pain of their fellow man. In this day of uncaring and self-serving attitudes that we sometimes run across, it is indeed comforting to see that organizations such as this one exist in our world. Thank you Flying Samaritans for caring and thank you Nash for making us aware. This is just another example of the good there is in the world if we just look for it and also another example of the part that amateur radio plays as drama unfolds around the world. (KA6DGV)

CONGRATULATIONS

NEWEST NOVICE - Congratulations to Henk Keppel (PAOKEP) who has just received his U.S. Novice License, KA6UKR. Henk is in the Club's Upgrade Class, and not too far away from taking his General Class exam. Let's welcome him at the next Club meeting.

HEARTY CONGRATULATIONS!!

Seven JPL-ARC members stormed the FCC Long Beach offices 14-17 June and are now enjoying new operating privileges:

ADVANCED: Dwight Holmes - WA3NPK

GENERAL: Dick Malm - KA6HVQ

TECHNICIAN: Rick Anglin - KA6SMQ

Kathy Baird - KA6SMP

Joe Billitti - KA6SMO

Kay Goodwin - KA6SMT

John Watkins - KA6SMR

The last group are all members of last fall's Novice Class, and most are planning to upgrade to General in the not-too-distant future. Let's give them all a warm welcome on the Club repeater!
(Paul K06D and Ralph N6YM)

GET WELL SOON

We want to extend our best wishes to Glenn Berry (K6GHJ) our former Emergency Communications Manager. Glenn is the JPL Safety Manager and has been out on sick leave for the past month or so. He has had surgery and will return to work in about a month.
(Merv - N6NO)

Glenn there's got to be an easier way to get a vacation at JPL. (Eileen)

Also a get well wish goes to our President John McKinney N6AVW who had surgery two weeks ago and is expected to return to work sometime this week or next.

A special get well goes to Rob Gardner KA6RBB and his daughter who were involved in an auto accident on Angeles Crest Highway on Sunday June 13th. They were both critically injured and are being cared for at Verdugo Hills Hospital. Rob is currently in the Spring Upgrade Class here on Lab.

IC-3AT OWNERS - GOOD NEWS!!

Mirage has finally done it! Their Model C-22, Solid State, 20 watt 220 MHz linear amplifier works nicely with the ICOM 3AT for a compact, yet versatile mobile installation. To get 20 watts output you need to put the 3AT in the "High Power" (1.5 watt) mode. However, I prefer to use the "Low Power" (0.15 watt) mode to conserve NiCad charge. The TX-RX relay still closes (something the competitor's linears fail to do) but the output drops to a couple of watts, which is OK by me since I'm saving the NiCads until I need the extra punch to hit the autopatch, etc. This scheme also works well on 2 Meters using the IC-2AT and Mirage B23 20 watt linear. I've got the two linears mounted side-by-side under the dash, with their SO-259 chassis connectors facing me to anchor the patch cords to the ICOMs. Come take a look.

(Paul K06D)

JPL ARC BOARD MEETING MINUTES - June 23rd 1982

Present were: N. Chalfin, J. Earnest*, S. Sander*, M. MacMedan*, S. Weaver, A. Zygielbaum*.
*Board Members

J. McKinney being absent (in hospital), the meeting was chaired by A. Zygielbaum. The minutes for the May board meeting were approved.

The treasurer's report was distributed and an inconsistency noted. In the treasurer's absence, this report was not approved.

A. Zygielbaum will be working on the SSTV tapes.

S. Brokl has resigned as program chairman. We have no speaker scheduled for the July club meeting at present. Any suggestions should be forwarded to M. MacMedan.

N. Chalfin presented a field day press release which was reviewed and is to be released.

The meeting was adjourned early. (John N6CTT)

LETTERS

Alas none for the Editor - but we received one via Nash W6HCD, from the All Woman Baja California Air Race, Inc. Vice President and Race Coordinator, Aileen Mellott. "Dear Nash, Again I would like to thank you for your wonderful assistance in the Baja California Air Race. Please express our gratitude!.. to Harry Enmark WA6IUR, Don Lawson WA6SQF, Randy Johnstone WB6QWR and Herman Von Thal WB6JYJ. Harry and Don helped at Bahia de Los Angeles and Randy and Herman rendered support at the starting line in Long Beach.

AEROSOL SHIELDING SPRAY

An aerosol spray material is offered by Emerson & Cuming under the trade name, ECCOSPRAY, registered trademark. It is a silver lacquer useful in EMI/RFI shielding and in making electrical connections. Surface resistance is less than 1 ohm per square. A technical bulletin describing this product is available, on request, from Dave Killeen, Emerson & Cuming, Canton, MA 02021; Tel: 617-828-3300. Source of information via Paul K06D is Electromagnetic News Report, Vol 10, No. 2 June 1982. **If you know of any new products that are on the market write in and we'll try to keep you informed as to what's new and available in the industry. These inputs are not to be discerned as ads for a product but rather as info.

FROM THE EDITOR'S DESK

How many times have you gone walking with your handi-talkie and had this happen to you?

CLEAN UP AFTER ROVER - PLEASE!

When you and Rover go out walking
Do you think before you go
To bring a scoop or newspaper
To pick up where Rover goes?

I really hate to bring it up
It really is a shame
But if you've ever stepped in Rover's mess
You'll know I'm not to blame.

I put my foot down innocently
My shoe color got a little vague
And while I walked back to the house
I was avoided like a victim of plague.

So please remember one and all
To keep Rover loved by scores
Just clean up everytime he goes
The shoe you save may be yours.
(Eileen KA6DGV)



The following article is reprinted from the Valley Good Guys Gazette. Our thanks to them and to Randy WB6QWR for spotting the article.

TO MY NEIGHBORS: NOTICE CONCERNING ALLEGED TV INTERFERENCE FROM THIS TRANSMITTER

1. You have called to my attention the fact that transmissions from my station are causing interference to your TV reception.
2. Interference such as you describe is not caused by HAM operations, as HAM stations cannot and do not cause TV interference. Nor is this interference the result of any malfunction of my equipment or poor operating habits - for my station is NOT a HAM station.
3. Be advised that your government is placing a \$500 per year tax on all TV receivers. Because it is difficult at this late date to obtain a listing of TV set owners for taxation purposes, your govt. has established a vast network of TV jamming installations with the hope that TV set owners will make themselves known to these jamming stations so that their names can be added to the tax rolls. This station is just such an installation.
4. Your government greatly appreciates your turning yourself in. You will be one of the first taxed. You have also verified that this TV jamming equipment is functioning properly.
5. So that you will not be the only one taxed, please be patient as we continue our jamming operations. Signed: _____ OPERATOR, OFFICE OF TV TAX



The following is reprinted from the El Cajon ARC publication via "Counterpoise".

THE TEN COMMANDMENTS OF ELECTRICAL SAFETY

1. Beware of the lightning that lurks in an undischarged capacitor lest it cause thee to be cast upon thy backside or be numbered among the fallen.
2. Cause thou the switch that supplies large quantities of juice to be opened and thus tagged or locked, so that thy days may be long upon the earth and they job won't be given to another to finish after thou are departed.
3. Prove to thyself that all high voltage circuits that radiate and upon which thou workest are grounded, lest they lift thee to a high frequency potential and cause thee to radiate, and thy hair to stand on end.
4. Take care to use the proper method when thou takest the measure of high voltage, that it not incinerate both thee and the meter; for verily, though thou hast no account number and cannot be easily replaced, the meter doth have such and its loss shall bring great woe upon the stores section.
5. Tarry not amongst those who engage in intentional shocks for they are surely nonbelievers and are not long for this world.
6. Take care to tamper not with interlocks and safety devices, lest this incur the wrath of the seniors, and unleash the fury of the safety engineer upon thy head and shoulders.
7. When working upon energized equipment follow the straight and narrow path of safety to avoid contact, or music will be playing in thy honor and thou wilt be unable to hear it.
8. Verily, verily, I say unto thee; never service high-voltage equipment alone for electric cooking is a thorough process, and thou mightest sizzle in thine own fat for hours before thy maker seeth fit to end thy misery, and draw thee into his fold.
9. Trifle not with radioactive tubes and substances, lest thou commence to glow in darkness like unto a lightning bug.
10. Commit thou to memory the words of the prophets, and practice thy operating procedures every day.

JPL AMATEUR RADIO CLUB 1982 ROSTER

6/17/82

AKERS, ROBERT C.	K6CYY	GEN	EMP	114-129	2653
ANGLIN, RICHARD L.	KA6SMQ	NOV	EMP	506-316	9362
APEL, WARREN	K6GPK	ADV	EMP	201-209	7733
ATKISSON, JAMES B.	WB6GCI	TEC	RET	Big Bear City	
AUMANN, HARTMUT	KE6FE	ADV	EMP	264-469	4457
BAIRD, KATHLEEN	KA6SMP	NOV	EMP	183-501	3705
BASTOW, J.G.	K6CV	EXT	EMP	144-218	2500
BATHKER, DAN	K6BLG	GEN	EMP	238-737	3436
BAUMGARTNER, W.S.	W6WLH	EXT	RET	San Marino	
BEAUDRY, BRUCE	WD6HEZ	TEC	EMP	264-119	7872
BEDNARCZYK, STEVE	NJ6J	EXT	EMP	138-205	7746
BERRY, GLEN	K6GHJ	ADV	EMP	190-112	4710
BILLITTI, J.W.	KA6SMO	NOV	EMP	158-228	2340
BROKL, STRANLEY S.	N2YQ	EXT	EMP	238-420	7403
BROWN, STEPHEN	N6OE	EXT	OLC	161-228	4947
BURCHAM, DONALD P.	KA6SRT	NOV	RET	La Canada	
BURDICK, GARY	KA6DGP	NOV	EMP	198-112A	5086
BURKE, GENE	KA6BKX	TEC	EMP	126-119	6577
CANZANO, GENE	WB6GXS	TEC	OLC	238-439	6009
CARMAN, GARY		NOV	OLC	125-829	6560/3067
CARMAN, SHARON		NOV	FAM		
CARPENTER, BILL	WA6QZY	TEC	OFF	Covina	
CHALFIN, NORM	K6PGX	TEC	CIT	180-302	6833
COWLEY, JOHN P.	WA6PBM	GEN	RET	Rosamond	
CRAWFORD, GORDON	WB6DRH	ADV	EMP	156-142	7385
CUNNINGHAM, GLEN E.	WA6TPT	TEC	EMP	233-307	7100
DENNING, RICHARD	WA6VYH	ADV	EMP	138-205	2795
DIEM, WALT	WA6PEA	ADV	EMP	233-307	6422
DODGE, TOM		NOV	EMP	238-737	3789
DOUGLASS, LIN	KA6DBO	NOV	RET	Arcadia	
EARNEST, JOHN JR.	N6CTT	ADV	EMP	233-103	2692
EMONDS, ROBERT W.	K6ELH	GEN	EMP	125-147	7851
EMIG, IRV	W6GC	EXT	RET	Manhattan Beach	
ENDARA, JOSE A.	KA6SRU	NOV	EMP	200-217	5081
ENDSLEY, EARL (RICK)	WA6YIG	GEN	EMP	238-420	2988
ENMARK, HARRY T.	WA6IUR	ADV	EMP	11-116	4187
ERICKSON, JIM	KA6MHF	NOV	EMP	233-208	3918
ERICKSON, KERRY	N6DSG	TEC	EMP	233-208	3567
FARROW, RICHARD	WD8LUS	GEN	OLC	125-B17	2294
FESSINGER, HERB	K6KID	ADV	EMP	125-109	3305
FLEETER, RICK	WA8VGK	ADV	EMP	67-201	3637
FONG, MARSHALL	K6AOC	EXT	EMP	183-501	5378
FRANCK, CARL R.	KA6HLW	NOV	EMP	238-420	2755
FUHRMAN, JAMES	WB6HIE	ADV	EMP	125-123	5358
GARDNER, ROBERT J.	KA6RBK	NOV	EMP	TR 1166	6085
GAUTHIER, MARGARET	WA6OUD	TEC	FAM		
GAUTHIER, MICHAEL K.	K6ICS	ADV	OLC	T 1180	2126
GOLDBERG, JACK	WA6ULW	GEN	EMP	126-300	6004
GOLDMAN, ALFRED JR.	N6FHM	GEN	EMP	161-228	3646
GOODWIN, KATHLEEN	KA6SMT	NOV	FAM		
GOODWIN, PAUL	K06D	EXT	EMP	161-228	4820
GOSLINE, BOB	AE6S	EXT	EMP	238-528	6255
GRIFFIN, MICHAEL	AJ3A	EXT	OFF	Columbia MD	

JPL ARC ROSTER 1982

6/17/82

GRUMM, RICHARD L.	W6KWH	GEN	EMP	161-131	4936
HALL, JUSTIN	WB6PTX	ADV	EMP	238-528	6016
HANSEN, GEORGE JR.	NJ6I	ADV	EMP	510-110	177-9978
HARTLEY, BOOTH	N6BH	EXT	EMP	210-209	2459
HAWKES, JEROME	W6WXL	ADV	EMP	BDG 150	2542
HOLLADAY, JAY	W6EJJ	EXT	EMP	264-338	7917
HOLMES, DWIGHT	WA3NPK	TEC	EMP	161-228	2841
HOWARD, EARLE	KA6TUT	NOV	EMP	171-301	4534
HULTBERG, JOHN	W6MEE	CON	EMP	233-307	7502
HUMPHREY, JERRY	WB6MBI	TEC	EMP	238-601	3094
HUMPHREY, VINCE	W6RNO	ADV	OFF	La Canada	
IRVINE, DALE	WB6JQY	ADV	FAM	Chatsworth	
JENKINS, GEORGE (BUD)	KA6CBI	GEN	EMP	11-111	4754/3748
JOHANSEN, CARL	WB6DLK	ADV	RET	Sunland	
JOHNSON, RICHARD C.	KB6NT	ADV	OLC	138-205	7749
JOHNSON, SID	WB6VWH	TEC	EMP	158-205	6026
JOHNSTONE, RANDY	WB6QWR	ADV	OFF	Artesia	
KEPPEL, HENK	KA6UKR	NOV	OTH	150-100B	4224
KESTERSON, JIM	KA6IBF	TEC	EMP	126-300	5658/5702
KINNEY, LAURENCE	WA6H0B	ADV	CIT	Pamona	
KOVATCH, JASON	N6BCI	TEC	OLC	238-747	3980
KUCHLER, ALBERT	WB6WRX	GEN	OLC	179-109	7743
KUSHNER, LEN	KA6HVV	NOV	EMP	511-201A	177-9868
LAWSON, BETTY	KA6JEX	TEC	FAM		
LAWSON, DONALD	WA6SQF	ADV	EMP	233-119	5609
LAYNE, ROBERT	W6LTC	ADV	FAM	La Crescenta	
LEE, THOMSON	KA6SRR	NOV	OLC	126-244	6830
LITTY, E.C.	KA6CTX	NOV	EMP	198-112A	4097
LONGTHORNE, JAMES	WA6KPW	TEC	OFF	Rosemead	
LUERS, EDWARD B.	KE6SU	ADV	OLC	264-800	6377
LUMSDEN, JAMES	WA6MYJ	ADV	EMP	233-103	6726
LYMAN, PETE	WB6WXX	TEC	EMP	264-800	4500
MACDORAN, PETER	K6JCB	GEN	EMP	264-748	7118
MACMEDAN, ELVIA	HK4CVV/W6	FIRST	FAM		
MACMEDAN, MERV	N6NO	EXT	EMP	233-208	7004
MALM, DICK	KA6HVQ	NOV	EMP	179-203	3975
MARTINEZ, JOHN	WB6LKS	TEC	EMP	281-123	4160
MASON, PETER	N6BBP	GEN	EMP	183-401	4056
MATHISON, RICHARD	KG6Y	EXT	EMP	238-540	3924
MCKINNEY, EILEEN	KA6DGV	TEC	FAM		
MCKINNEY, JOHN	N6AVW	TEC	EMP	233-208	6610
MCKINNEY, RICHARD	KA6DAN	TEC	EMP	138-205	3968
MORECROFT, JOHN	W6LFT	ADV	EMP	238-335	5526
MORRIS, CONNIE	KA6JAM	TEC	FAM		
MORRIS, GEORGE	W6ABW	EXT	EMP	238-420	7066
MURRAY, BRUCE			EMP	180-905	
MUSHAGIAN, WALTER	K6DNS	GEN	EMP	238-420	3036
OHARA, TOM	W6ORG		OFF	Arcadia	
PATZOLD, JACK	WB6TXG	TEC	EMP	233-103	4926
PICKENS, R.A.	WA6SVY	TGEC	EMP	T 1401	6117
PIETY, RICHARD	K6SVP	ADV	EMP	158-205	2298
PIROUMIAN, MAURICE	WA6OPB	ADV	OFF	La Crescenta	
PLOSZAJ, RON	WA6TPW	ADV	EMP	264-625	7447
POLANSKY, R.G. (BOB)	N6ET	EXT	EMP	264-469	4940

PRESLEY, CHUCK	KA6MHE	NOV	EMP	198-136	4536
QUINN, REX	WD6EWN	TEC	EMP	238-737	
RAFFERTY, MICHAEL	WA6RUQ	ADV	OTH	238-601	3348
RAINES, MERLIN	W6YPG	ADV	EMP	83-122	5766
RAUCH, LARRY	W8FDG	ADV	EMP	238-540	6334
REPAR, JOHN	WA6LWD	ADV	EMP	157-507	7261
ROSS, PAUL	WA6KNZ	TEC	RET	Hemet	
ROSS, WALTER	W6VPN	ADV	RET	Van Nuys	
SANDER, STAN	N6MP	EXT	EMP	183-601	2625
SANTANA, MIKE	WB6TEB	ADV	OFF	Arcadia	
SATO, TAKESHI	N6FTB	TEC	EMP	238-528	4900
SCHAEFER, MARK	WB6CIA	EXT	EMP	168-314	6504
SCHMEITINK, C.A. (KEES)	KA6SRP	NOV	OTH	150-100B	4224
SCHNEIDER, HORST	WB6INZ	GEN	EMP	507-201	177-9341
SCHOU, PAUL	KE6ET	ADV	OLC	503-118	9892 X346
SELCUK, M.K.			EMP	507-228	9300
SHEBEL, DENNIS	WB6IZR	TEC	OLC	233-307	6141
SIMMONS, CLINTON	WB6DPE	TEC	EMP	T 1180	6175
SMITH, ERNEST K.			EMP	161-228	8040
STAPLETON, BRIAN	W6LZP	EXT	OLC		796-4316
STAPLETON, MARY	WA6CWR	GEN	FAM		
STEVENS, GARY	WD6FLY	NOV	EMP	238-420	6766
STEWART, EVELYN	KA6MJG	NOV	FAM		
STEWART, GLENN	KA6HIF	TEC	OLC	238-737	7244
STEWART, JAMES (MIKE)	WA6VQI	NOV	EMP	179-203	3606
STRICKLAND, RILEY	N6BTL	GEN	EMP	238-528	3957
SUTTON, DAVID	WA6SPV	TEC	OLC	126-102	7499
SUTTON, JIM	KA6CTZ	GEN	RET	Tujunga	
TUCCI, MICHAEL	WB6CUB	ADV	OLC	169-327	5498
TUCKER, TOM	W6LEI	ADV	EMP	238-420	2164
VAN ALLEN, RICHARD	KA6DEX	NOV	EMP	264-211	5907
VOLKMER, KENT	N6DSP	GEN	EMP	506-432	177-9170
VON ROOS, OLDWIG	KA6DOC	NOV	EMP	512-103	7613
WAGNER, DAVID	N6GGJ	NOV	EMP	264-119	7840
WALSH, JOE	KA6HPE	NOV	EMP	83-210	5457
WALSH, JOHN	N6UK	EXT	EMP	125-138	3303
WATKINS, JOHN L.	KA6SMR	NOV	EMP	169-327	3362
WEAKS, KENT	WA6JKM	TEC	EMP	138-315	4197
WEAVER, SAM	WB6EMO	GEN	EMP	198-89	3997
WEBER, WILLIAM	N6CI	EXT	EMP	161-228	3845
WEEMS, WES	W6PVR	ADV	OLC	DSCC/25	
WEST, RALPH	N6YM	EXT	EMP	238-420	7403
WHITAKER, DAVID	WA6JDV	TEC	OFF	Sierra Vista, AZ	
WIGGINS, CECIL	KE6GB	ADV	EMP	238-540	2076
WILLIAMS, NASH	W6HCD	EXT	EMP	507-228	177-9018
WILSON, JAMES N.	KA6SMV	NOV	EMP	180-603	3270
WIRTH, VINCE	WA6BZB	GEN	EMP	179-206	
WOOD, GORDON	WA6NVA	GEN	EMP	161-228	4638
WOOD, WILLIAM	WB6FXJ	ADV	OLC	DSCC/86	714-256-3721
YAMANE, NOB	KA6SUG	NOV	EMP	138-205	2142
YANOW, GIL	K6TOS	ADV	EMP	510-200	177-9444
YOUNGER, HERB	W6OJA	ADV	EMP	114-129	4548
ZENONE, RON	W6TUZ	ADV	OFF	La Canada	
ZYGIELBAUM, ART	WA6SAL	ADV	EMP	238-601	5149

