

PRESIDENT: KERRY ERICKSON N6DSG
VICE PRES: MIKE STEWART WA6VQI
SECRETARY: DICK MALM KF6FK
TREASURER: RICK McKINNEY KA6DAN

Director at Large: John Repar WA6LWD
Trustee: Jay Holladay W6EJJ
Emergency Comm.: Ralph West N6YM
Editor: Eileen McKinney
KA6DGV

MAIL STOP

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W6VIO Calling M/S 233-208
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Pasadena, California 91109

CLUB MEETINGS: 2nd. Wed. of month 12 Noon in
238-543. Everyone welcome!

BOARD MEETINGS: 4th. Wed. of month 12 Noon in
238-543. Everyone welcome!

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AUGUST 1984 VOLUME 14 NO. 8



Dick Malm, KF6FK receives a plaque from George Morris W6ABW on behalf of the JPL Amateur Radio Club. The citation reads:

"To the JPL Amateur Radio Club for dedicated Volunteer Services"

George presented the plaque on behalf of the March of Dimes and Birth Defects Foundation. The services provided by the ARC were communications during one of the March of Dimes/Birth Defects Foundation Charity Events during the past Spring.

Photo by Norm Chalfin K6PGX



NORM CHALFIN K6PGX

This time Norm's on the other side of the camera. Norm was the guest speaker at our August meeting. He discussed the Patents and New Technology Operations of Caltech, JPL, and NASA.

Norm is one of our very valuable behind the scenes members. He is responsible for most of the pictures published in W6VIO Calling and has authored many articles throughout the years.

Norm also runs the weekly OSCAR News Net on Wednesday evenings at 8 PM on our Repeater. Norm you're appreciated - please know that.



JPL AMATEUR RADIO CLUB
MINUTES OF THE BOARD MEETING
25 JULY 1984

PRESENT: M. Stewart, R. Malm

A quorum was not in attendance, therefore the meeting was never called to order. Since this was the second meeting where a quorum was not available, it was decided to re-schedule the July meeting as soon as a group of officers were available. The meeting was set for August 3, 1984 in Bldg. 179-220.

JPL AMATEUR RADIO CLUB
MINUTES OF THE BOARD MEETING
3 AUGUST 1984

PRESENT: K. Erickson, M. Stewart, R. Malm,
 J. Holladay, J. Repar, M. Stewart,
 N. Chalfin, J. Adams

The President, Kerry Erickson opened the meeting by distributing an agenda. The actions taken were as follows;

1. J. Holladay was asked to draft a statement of Club policy regarding the acceptance and disposition of donations to the Club.
2. The board then discussed the disposition of an donation received in the last few months from Fred Friel, a long time Club supporter.

It was decided, subject to formal approval of the Club donation policy, to accept the donation.

A motion was made, by M. Stewart and seconded by J. Repar, to use the donated funds for Club educational equipment.

The board approved the motion as proposed. Kerry asked that D. Malm and J. Adams propose the equipment to be selected.

3. The need for a Long Term Plan for Club objectives was discussed.

Current practice has been to acquire new capabilities and equipment as individual members presented the need.

With better planning it may be possible to provide the Club station with equipment and facilities which better meets the interests of a larger segment of the Club membership.

Kerry accepted the responsibility to lead a subcommittee to determine what might be done.

4. Since the Club functions only as the result of volunteers, suggestions have been made that some type of Volunteer Recognition Plan be developed to formally recognize members for their efforts as the activity is conducted rather than upon retirement or departure from JPL.

Mike Stewart was asked to write up a proposal.

5. The recent Field Day operations resulted in a suggestion to purchase a Club owned Field Day generator and a Handi-talki rather than depend upon individuals to locate such equipment as needed for Club activities.

Bruce Beaudry will be asked to present the proposal to the Board. The question of equipment storage must be answered as part of the recommendation for the Board to act on the suggestion.

6. Club meeting attendance is currently a small part of the membership. A suggestion was received to award door prize(s) at the monthly meeting.

J. Repar was asked to investigate with ERC the implications of adopting the suggestion. It was noted that the awards incentive has been used by other clubs with reasonable success.

7. The subject of "Sprucing up" the News Net was the next item of discussion. N. Chalfin volunteered to compile a set of suggestions for board consideration.

All suggestions from the membership are welcome.

8. J. Adams, the education chairman, raised the question of Licensing in the JPL area. It was noted that M. MacMedan might be the source of information as to the members who have volunteered to be license examiners.

9. The Treasurers report from R. McKinney was read by K. Erickson.

Hotdog sales at the ERC picnic resulted in \$750 for the Club.

The meeting was adjourned at 1:00 pm

R. Malm, KF6FK
 Secretary



HOT DOG BOOTH A HOWLING SUCCESS

President's Message

First, a big thanks goes to those few who braved the crowds and made the July picnic a great success (see separate article), and also to those who help repair the station antenna farm.

As summer vacations and the flurry of events begins to wind down, we turn our attention to sprucing-up the basic club functions. Subcommittees have been formed to develop the club's Long Range Plan, Volunteer Recognition Plan, program for door prizes at monthly club meetings, and revamping the Weekly News Net.

If there is support I plan to establish regular short columns in the newsletter which report on: New Members, Education / License / Upgrade, Club Meeting Highlights Future Club Meetings and Activities, Repeater Happenings, and Technical Tidbits. There are lot's of things happening which I am sure other club members would enjoy hearing about. Although I realize that we are ALL very busy, any contribution of your time would be appreciated.

Kerry (N6DSG)



FOR SALE

FOR SALE: S-4 (Made by TEMPO) 450 Handi-Talkie, in the box, with CCR, Instructions, Schematic and an Extra 450MA Battery Pack - Has 16 posit. pad and PL Capability. \$190.00 or best offer or trade for 220 HT or ??? Contact Carl de Silveira
M/S 148-112A
Phone: 3605 or 4188
KB6DVL/SD
Home Phone: 353-3127

The JPL Radio Club sold a thousand hot dogs at the JPL 49th. Annual Picnic. Thanks go to:

John McKinney N6AVW for cooking the hotdogs.
Eileen McKinney KA6DGV for ~~eat~~ing the hotdogs
selling
Blanche Kenworthy (Eileen's Mother) for again this year selling hot dogs.

Frank Kenworthy (Eileen's Dad) for wrapping hot dogs all day long along with

Bruce Beaudry (WD6HEZ) for wrapping and setting up and taking down the hotdog stand and cooking equipment.

Rick McKinney who put some time in in the afternoon in the booth.

Mike Stewart WA6VQI for cooking, wrapping, and setting up and tearing down equipment.

As usual the action was hectic and we all had a good time. Next time let's see some of you other guys out there joining in the fun. It's a GROUP effort. There's enough fun to go around.



NASH WILLIAMS APPOINTED TO
ADVISORY COUNCIL OF THE
COMMISSION OF THE CALIFORNIAS

Again this year Nash Williams W6HCD has been appointed to the Advisory Council of the Commission of the Californias. This is Nash's 10th. year on the Commission and the 3rd. Governor (or Lieutenant Governor) that he has served under.

The Commission of the Californias has a rich tradition of promoting international goodwill and it strives to promote a better understanding among California and her neighboring states in the Republic of Mexico.

We of the the JPL ARC commend Nash for his hard work both in this endeavor and his other public service projects. Nash is another ARC member that works hard and we'd like to see him get credit for his time and effort.

NORTH AMERICAN TELECONFERENCE RADIO NET

A SERVICE OF THE HONEYWELL AMATEUR RADIO CLUBS

PUBLICITY RELEASE PLEASE PUBLISH AND POST

For Release September 1984

**MICROPHONE EQUALIZATION FOR RADIO COMMUNICATIONS
SUBJECT OF SEPTEMBER 14 T.R.N.**

Want to increase your effectiveness in working DX? Want your audio to be pleasant and easily understood? Or would you like to understand more about the principles of audio that effect communications quality and effectiveness? The facts are that many transmitters and receivers are deficient in the audio qualities needed for effective communications. Amateurs have not been well schooled in testing and correcting these deficiencies (do you know what your transmitter sounds like over the air?). You can find the answers to these questions by tuning into the North American Teleconference Radio Net (TRN) on Friday, September 14, 1984, at 7:30 p.m. CDT (0030Z next day). The subject will be Microphone Equalization for Radio Communications presented by Bob Heil, K9EID.

Bob will discuss such factors as: the history of audio as related to hearing and communications; ear response (what we hear) including Fletcher-Munson curves; audio processing by limiters, compressors, and equalizers; microphone frequency response and proximity effect; and speaker system limitations. Most important, Bob will describe *practical* ways to apply this information to improve the sound and effectiveness of your radio station.

Bob is especially qualified to speak on audio in radio communications. Early on he trained and perfected his listening as a professional musician. He then moved on to the design, development, production and operation of sound reinforcement systems for prominent performers. He is the author of the book The Practical Guide to Concert Sound (as well as a handbook for radio amateurs) and serves as a college lecturer on audio systems. Bob was honored at Dayton as 1982 "Amateur of the Year". He is also a well known exponent of converting surplus CB transceiver boards to 10-meter FM as a practical way to encourage building activities by amateurs.

This Net will be carried over the W6VIO/R Repeater. It will begin at 5:15 PM Local Time.

(Article forwarded to us through Stan N6MP)

JPL AMATEUR RADIO CLUB
1984 MEMBERSHIP LIST

CALL	CLASS	NAME	LAB ADDR.	EXT.
NW6H	Ext	Adams, Jon T.	238-528	3445
KA6SQM	Tech	Anglin, Richard L.	180-703	
WB6GCI	Tech	Atkisson, James B.		
KE6FE	Adv	Aumann, Hartmut H.	264-469	7925
KA6SMP	Nov	Baird, Kathleen W.	183-501	3705
K6CV	Ext	Bastow, Jay G.	144-218	2500
W6WLH	Ext	Baumgartner, Walt S.		
WD6HEZ	Tech	Beaudry, Bruce	264-119	7872
NJ6J	Ext	Bednarczyk, Steve M.	T-1182	7747
N6OE	Ext	Brown, Stephen F.	507-114	177-9101
W6MWP	Tech	Bunker, Robert L.	198-112A	3912
KB6DVK	Nov	Buratti, Bonnie	183-301	7427
N6HDN	Tech	Burcham, Donald P.		
W6GTV	Adv	Burrell, Randal	CalTech	161-6632
K6PGX	Tech	Chalfin, Norman	180-302	6833
N6FHC		Clark, Gilbert		
WA6PBM	Gen	Cowley, John		
WB6DRH	Adv	Crawford, Gordon A.	156-142	7385
N6FVU	Tech	Cronk, Larry	CalTech	161-6596
WA6TPT	Tech	Cunningham, Glenn E.	233-307	2013
N6ETS	Tech	Dantas, Bob	T-1180	5595
WA6VYH	Adv	Denning, Richard	T-1182	2795
WA6PEA	Adv	Diem, Walt	233-307	6422
N6CTT	Adv	Earnest, John E. Jr.	171-220	7112
WD6CIH	Gen	Ehrlich, Raymond	506-418	167-9195
W6GC	Ext	Emig, Irvin L.		
WA6YIG	Gen	Endsley, Earl F. (Rick)	238-420	2988
WA6IUR	Adv	Enmark, Harry T.	11-111	4187
N6IRC	Gen	Erickson, Danette	233-208	
N6DSG	Tech	Erickson, Kerry	233-208	3567
WA6VIY	Gen	Fleming, Gordon	198-136	4936
K6AOC	Ext	Fong, Marshall	183-501	5378
WB6HIE	Adv	Fuhrman, Jim C.	125-143	
KA6RBK	Nov	Gardner, Robert J.	171-210	8054
WA6QUD	Tech	Gauthier, Margaret A.	T-1180	
K6ICS	Adv	Gauthier, Mike	T-1180	2126
WA6JLW	Gen	Goldberg, Jack	126-300	6004
KF6GW	Adv	Goodwin, Kathleen H.	264-801	
KO6D	Ext	Goodwin, Paul S.	264-801	6102
AE6S	Ext	Gosline, Bob	238-528	6255
N6IJT	Tech	Gosline, Linda	238-528	
WB6PTX	Adv	Hall, Justin R.	238-528	6016
NJ6I	Ext	Hansen, George R.	161-137	8295
		Harris, Shari L.	201-110	2240
K6KZQ	Gen	Harris, William M.	186-1111E	5183
N6BH	Ext	Hartley, R. Booth	264-338	5812
W6WXL	Adv	Hawkes, Jerome	150	2542
W6EJJ	Ext	Holladay, Jay	233-208	7561
KA6MHB	Nov	Hurich, Michael G.	144-218	4794

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WB6JQY	Adv	Irvine, Dale	122-123	
KB6ANJ	Tech	Ivlev, Robert	168-222	3645
WB6DLK	Adv	Johansen, Carl	Retired	
WB6VWH	Tech	Johnson, Sid	158-205	6026
EA4QX	Adv	Kerstjens, Tony	125-B17	3794
		Kenworthy, Blanche V.	Off Lab	
		Kenworthy, Frank J.	Off Lab	
KA6IBF	Tech	Kesterson, Jim	130-117	7599
WA6HGB	Adv	Kinney, Laurence R.	CalTech	
N6BCI	Tech	Kovatch, Jason J.	238-737	3980
WB6WRX	Gen	Kuchler, Albert M.	179-123	7743
KA6HVV	Nov	Kushner, Leonard	511-201	167-9868
KA6JEX	Tech	Lawson, Betty M.	233-119	
WA6SQF	Adv	Lawson, Donald B.	233-119	5609
W6LTC	Gen	Layne, Robert W. (Maillo)		
KA6CTX	Nov	Litty, Ed C.	198-112	4097
WA6KPW	Tech	Longthorne, James E.		
N6IXB	Tech	Lord, Don	161-137	4117
KE6SU	Adv	Luers, Edward B.	264-803	6377
WA6MYJ	Adv	Lummsden, Jim	233-103	6726
WB6WXX	Tech	Lyman, Peter T.	264-800	4500
N6HJZ	Tech	MacMedan, Daniel J.	233-208	
HK4CVV	First	MacMedan, Elvia	233-208	
N6ND	Ext	MacMedan, Merv	233-208	7004
KF6FK	Adv	Malm, Richard	179-203	3975
N6BBP	Gen	Mason, Peter V.	183-901	4056
KB6Y	Ext	Mathison, Richard	238-540	3924
		Mayall, Sherwood (Woody)	169-506	4395
K6GPJ	Adv	McGee, David P.	264-737	7118
KA6DGV	Tech	McKinney, Eileen	233-208	
N6AVW	Tech	McKinney, John	233-208	6610
KA6DAN	Tech	McKinney, Richard P. (Rick)	168-327	3968
W6LFT	Adv	Morecroft, John H.	510-264	167-9354
KA6JAM	Tech	Morris, Constance L.	238-420	
WA6ABW	Ext	Morris, George A.	238-420	7066
K6DNS	Adv	Mushagian, Walter H.	238-420	2824
		Nicolich, Eric	198-136	4123
N6CUV	Tech	Nolte, Scott	183-401	3103
W6ORG	Adv	O'Hara, Tom		
W6THU	Adv	Paul, Floyd A.	Retired	
WA6OPB	Adv	Pirowmian, Maurice A.		
	Nov	Pohorsky, Steven	168-514	3495
KA6MHE	Nov	Presley, Charles E.	198-136	4126
WD6EWN	Tech	Quinn, Rex B.	238-737	4677
W6YFG	Adv	Raines, Merlin	83-122	5166
WB6FBG	Adv	Rauch, Lawrence	238-540	6334
KB6DVG	Tech	Reder, Leonard J.	238-240	4620
	Nov	Reese, Matt	Off Lab	
WA6LWD	Adv	Repar, John	157-507	7261
W6PAJ	Ext	Reymann, Joseph		
WA6KNZ	Tech	Ross, Paul		
W6VFN	Adv	Ross, Walt J.		
N6MP	Ext	Sander, Stan	183-601	2625
	Tech	Sarture, Charles M.	198-112A	7246

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NT6N	Ext	Sato, Takeshi	183-701	3933
KA6YIX	Tech	Schmitt, Deril M.		
WB6INZ	Gen	Schneider, Horst W.	507-201	167-9026
KE6ET	Adv	Shou, Paul B.	503-118	167-9628
KB6NI	Adv	Sebastian, David L.	238-737	3980
WB6IZR	Tech	Shebel, Dennis	198-112A	6141
N6HQK	Tech	Smith, Ernest K.	161-228	8040
KW6J	Ext	Stapleton, Brian		
WB6CWR	Gen	Stapleton, Mary E. (Mimi)		
WD6FLY	Tech	Stevens, Gary	238-420	6766
KA6SWM	Tech	Stevens, Kirk L.	514-209	167-6914
N6BTL	Gen	Strickland, Riley	238-528	3957
WA6SPV	TechI	Sutton, David W.	230-202	7974
ND6X	Ext	Sutton, Jim C.		
WB6UWA	Adv	Thomas, Leonard	CalTech	
WB6Cub	Adv	Tucci, Michael E. (Mike)	Off Lab	
		Vines, Kenneth W.	156-132	6554
KA6DOC	Nov	Von Roos, Oldwig	507-228	167-9994
KA6OUX	Nov	Wagner, David	264-119	7840
N6UK	Ext	Walsh, John V.	125-134	3303
KA6SMR	Nov	Watkins, John L.	169-327	3362
WA6JKM	Tech	Weeks, Kent C.	138-312	4197
WB6EMO	Gen	Weaver, Sam	198-B9	3997
N6YM	Ext	West, Ralph	230-104D	7817
WA6JBZ	Tech	Wetzel, Richard (Dick)	Off Lab	
KE6GB	Adv	Wiggins, Cecil P.	238-540	2076
WA6BZB	Gen	Wirth, Vince	179-220	4124
WB6FXJ	Adv	Wood, William D. Jr	DSCC/25	166-481
KA6SUG	Nov	Yamane, Nob	T-1182	2142
W6QJA	Adv	Younger, Herb	510-271	167-9400
W6TUZ	Adv	Zenone, Ron		