

MARCH 1986

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MAIL STOP

Jet Propulsion Laboratory
W6VIO Calling M/S 264-419
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EMER.COMM: Ralph West N6YM
EDITOR: Eileen McKinney KA6DGV

Club Meetings: Second Wednesday of the month at
12 Noon in 238-543. Everyone is
welcome - Bring your lunch!

Board Meetings: Fourth Wednesday of the month at
12 Noon in 238-543. Everyone is
welcome - Bring your lunch!

Repeater Mtgs: First Thursday of the month at
12 Noon in 238-543. Everyone is
welcome - Bring your lunch!

Newsletter: The 7th. day of each month.
Articles: If the 7th. falls on a weekend,
Deadline: the following Monday will be the
deadline. Your articles, ads,
photos, diagrams, instructions, or
articles you'd like to see
reprinted from other sources (with
the name of the publication, date,
etc.) should be submitted to the
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W6VIO

CALLING



UPCOMING PROGRAMS FOR 1986
Jon T. Adams, NW6H

Recently Steve Townes appointed me program director for 1986-I hope he won't live to regret it. To keep that from happening, here is a list of scheduled programs for the year. Those designated with an asterisk are still tentative with respect to either scheduling or speaker availability. If you have questions or suggestions to help me in my quest for speakers, give me a call at x3445 or drop a note to 238-528.

- April
 - Voyager 2 Uranus Commemorative Presentation
Kerry Erickson, N6DSG
Voyager-Uranus Commemorative Committee Chairman
 - Repeater Committee Presentation
Merv MacMedan, N6NO
- May
 - Field Day 1986 Presentation and Field Day 1985 Recap
Jon Adams, NW6H
Chairman, Field Day 1985
Walt Mushagian, K6DNS
Co-Chairman, Field Day 1986
- June
 - ARRL Presentation
Jay Holladay, W6EJJ
Vice President, ARRL
- July
 - Cellular Telephone Technology
- August
 - *Motorola Semiconductor Presentation
Power Amplifiers
Roy Hejhall, K7QWR
Member of Technical Staff
RF Advanced Products
Motorola, Inc., Phoenix
- September
 - The PACSAT Project
Harold E. Price, NK6K
PACSAT Project Manager
- October
 - *DSN Receiver Technology - Receiving Spacecraft Signals from Deep Space
- November
 - *Amateur Radio Equipment Manufacturer Presentation
- December
 - General Election
- January 87-
 - *Packet Radio
Gateways to the World



PRESIDENT'S MESSAGE

One of my first priorities this year has been to appoint people to chair the various committees of the club. I have appointed Jon Adams NW6H as Program Chairperson and Merv MacMedan N6NO as the Acting Chairperson of the Repeater Committee. Both Jon and Merv have already gotten business well under way. Jon has a slate of very interesting programs lined up for the rest of the year so please watch this bulletin and your mail for announcements of the presentations. Merv and others have set plans in motion to upgrade the current repeater facilities to improve the coverage. The repeater situation is very serious since there have been recent attempts to usurp our frequencies due to a lack of apparent usage. Merv and his committee have their jobs cut out and will need a lot of support from the club to get the repeaters in shape. I would like to thank Jon and Merv for their initiative in taking these positions and getting the ball rolling as well as they have. I am currently looking for a Facilities Chairperson and an Emergency Communications Manager so if anyone would like to volunteer for these positions please get in touch with me.

One of the nice parts of this job is that I get to see all the mail to the club thanking it for all of the great community service that we do. The latest letters of interest were from the La Canada High School Science Club and the Chaminade College Preparatory School Science Department thanking us for work done in setting up a communications link to LCHS and for the Voyager Uranus Encounter slow scan pictures. Thanks to all of you who were involved in these endeavors.

One final note. The attendance at the club meetings has been poor of late. I encourage all of you to make an effort to attend the general meeting on the second Wednesday of each month, especially with all of the work that Jon has put in to get up such an interesting program slate. The Board of Directors meeting is also open to the public and is held every fourth Wednesday of the month. This is a chance to have your say about how the club is being run and to keep track of what the officers are doing with your club. Steve Townes, WB4ILW



The 6th of March is upon us. I hope you had as much fun as I did with my low power radio during the last month. The ARRL DX Contests provided some fun opportunities. My 100 watts and a dipole at 8000 feet performed yeomans service on 20 meters with about 20 countries being worked! I was lucky enough to work all continents including a 5Z4 and South Shetlands. What conditions! Let's hope we're as lucky this coming month. Again, thanks to the LIDX Bulletin, the following information is provided for your listening pleasure.

AFGANISTAN-YA1AO has been appearing at 14,040 kHz from 1130 to 1400Z. This is a bit early for W6 stations, if the fellow isn't a bootlegger. Work him if propagation exists. Worry about the QSL later.

CHAGOS-Look for VQ9RB from 1700Z between 14,025 and 14,030 kHz. VQ9QM operates on 21,025 kHz from 1500Z and at 1600Z he goes to 14,025 kHz.

IVORY COAST-TU2CH conducts daily sessions on 21,047 kHz at 1730Z.

SEYCHELLES-S79CW likes 14,188 kHz from 1800Z.

SUDAN-If you long for a Sudanese QSO, try 6T2BA from 14,160 to 14,165 kHz from 2100Z.

TAIWAN-BV2DA is active daily on 7010 kHz from 1345Z.

TANZANIA-You have only two years to work this operator, who is on duty with the US Embassy. Look presently on 14,028 kHz from 1830Z. Future plans include all-band capabilities.

TROMELIN ISLAND-FR7AI/T opened on 22 February near 14,016 kHz at 1645Z. He plans to be active on both cw and ssb on all bands through 31 March.

If the good conditions persist for the next two weeks, as expected, we should all have a fantastic time.



For the early risers and commuters, how about starting an Early Bird net on the 04 machine from 5:00 to 7:00 A.M.. If interested contact Rick McKinney or Dick Wetzel at M.S. 168-327, or listen in EARLY some morning soon. Rick-KA6DAN



HAMS OF THE MONTH

HERB YOUNGER W6OJA has been a ham for 34 years. He was born in Glendale, California and raised in Burbank. He's married with three children. His wife Carol is also a ham N6HJL. His hobbies are centered around Church activities and his favorite food is ice cream.

GENE BREAZLER WD6EEM has been a ham for 6 years. Gene was born in Hutchinson, Kansas where he grew up. Married and four children with no hams so far in sight. Gene enjoys working 2 meters.

DONALD BURCHAM N6HON has been a ham for 3 years. He was born in Baker, Oregon and grew up in Portland. He's married with 3 children, 5 grandchildren and 2 great grandchildren. His hobbies include photography, graphic arts, RC model aircraft, and instrument flying.

GILBERT CLARK N6FHC has been a ham for 24 years and his aliases include KA6MZY, WA6YRO and WV6YRO. He was born in Pasadena and grew up in Pomona, Germany and the Panama Canal Zone. He's married with 2 boys. His wife is a Novice ham. He enjoys scuba diving, IBM computing and photography. His favorite foods are Mexican and Japanese.

GORDON CRAWFORD WB6DRH has been a ham for 25 years. Gordon was born in Seattle, Washington and grew up in the Western United States. He's married with one daughter. His hobbies include golf, woodwork, photography, electronics, and travel. Steak is his favorite food.

CARL de SILVEIRA KG6LG has been a ham for almost two years. He was formerly KB6DVL. Carl was born in Los Angeles and also grew up there. He's married with 2 children. He likes to hunt, fish, and pursue ham radio activities. His favorite foods are pizza and fried clams.

HARRY ENMARK WA6IVR has been a ham for 25 years. He was born in Jamestown, New York and also grew up there. He's married with children. (He put down a bunch of children - I'm not sure if that means he has lots or just one large one). His hobbies are Amateur Radio, woodworking, computers and sailing. He likes Mexican and Swedish food.

PAUL GOODWIN K06D has been a ham 49 years. He grew up in Los Angeles which was his birthplace. He's married with 3 children. His wife is KF6GW. His hobbies include ham radio, photography and travel. He likes all kinds of food.

JEROME HAWKES - W6WXL has been a ham for 38 years. He was born in Los Angeles and grew up there and in Alhambra. He has 2 sons and his interests include Astronomy. He likes almost all kinds of food.

DAVID HILDEBRAND N6BHU - has been a ham for 6 years. He was born in Los Angeles and grew up there and also Chicago, New York, San Antonio, and Honolulu. He's single. His hobbies include Radio-controlled models, ORV's, firearms, electronics (including ham radio). He likes Mexican food and pizza, sub's and other spicy stuff.

SID JOHNSON WB6VWH has been a ham for 8 years. He was born in Phoenix, Arizona and also grew up there. He's married with two sons. Son, Kirk, is KA6RKX. His other hobbies include amateur radio, amateur mycologist and fishing. His favorite foods are VERY HOT chili, steamed clams and raw oysters.

JIM KESTERSON KA6IBF has been a ham for 5 years. He was born in Cleveland, Ohio and grew up in Berea, Ohio. Jim is a widower with a son and daughter. He likes off-road motorcycling. His favorite foods are English eggnog which he treats his family to each Christmas and the rest of the year he likes Dairy Queen Rootbeer Malts.

LARRY KINNEY WA6HOB formerly WN6HOB has been a ham for 15+ years. He was born in Joplin, Mo. and grew up in the Navy. He's single. His interests include: Disaster Communications, Public Service, Coin collecting, Plate collecting, and courting single ladies. He likes any kind of food and prides himself on having a cast iron stomach.

BETTY LAWSON KA6JEX has been a ham for 6 years. She was born in Ralls, Texas and grew up in Glendale, Ca. He's married to a ham and has 3 sons between them. Her favorite food is fried chicken.

ROBERT LAYNE W6LTC formerly K2IOW has been a ham for 32 years. Bob was born in Camden, New Jersey and grew up in Haddonfield, New Jersey. He's married with four children - 2 boys and two girls. His hobbies include amateur radio and personal computing. His favorite foods include Pizza from back East or the "New York Pizzeria" in Las Vegas - address supplied on request!

DON LORD N6IXB formerly KA6SMU has been a ham for 4 years. Don was born in Caldwell, Idaho and was brought up in Provo, Utah. He's married with two children. His hobbies include tennis and computers. His favorite food is steak.

GEORGE MORRIS W6ABW - formerly W5QKQ and DL4KI has been a ham for 36 years. He was born in St. Louis, Mo. and was brought up in St. Louis and Paragould, Arkansas. He's married and wife Connie is KA6JAM. He has two children. His hobbies include guns and computers. He loves almost all junk food including chili, pizza and tacos.

PATRICK O'BRYAN WB6USZ has been a ham for 18 years. He was born in Detroit, Michigan and grew up in Los Angeles, California. He's married and has two daughters. Operating on 160M and 2M mobile his other hobbies are photography, reading, travelling, flying (former private pilot) and life extension.

JAY BASTOW K6CV formerly W6GCE, W1call, WA2call and a WB6 call. Jay has been a ham for 37 years. He was brought up in Oakland, California. He's married and has married children. His hobbies include Apple computer interests, photography, and Amateur Radio. His favorite food is shrimp.



BOARD MEETING MINUTES

Attendees: President-Steve Townes, Secretary-Russ Dow, Treasurer-Rick McKinney, Director-at-Large-Jon Adams, Repeater-Kerry Erickson, Repeater-Sid Johnson and Walt Mushagian.

OLD BUSINESS:

1. The W6VIO Repeater Net is being organized. Not active yet.

2. We are having trouble getting good images to use for QSL cards for W6VIO's recent Voyager/Uranus Commemorative operations. Otherwise ready to proceed. A report will be made at the April General Meeting. An ATV link was set up between JPL and La Canada High School during the Uranus Encounter. It worked nicely.

3. Rick submitted proposed financial transaction guidelines to the Board. Approved without changes.

NEW BUSINESS:

1. Secretary will arrange mailing of meeting notices separately from the Club Newsletter.

2. The Repeater Steering Group held a meeting on Feb. 15th. Drew up a plan for repeater improvements.

3. Secretary asked if JPL is a current member of the Los Angeles Area Council of Amateur Radio Clubs. (Apparently not, at present.)

4. President inquired about JPL ARC letterhead stationery. Secretary has a little, but only copies; none on original stock.

AMATEUR SPACE TELESCOPE PRESENTATION SLATED FOR MARCH GENERAL MEETING

W. E. Buchanan (KF6TE), Western Region director for the Independent Space Research Group, Inc. (ISRG) of Troy, NY, will be on lab the 12th of March to describe the Amateur Space Telescope (AST), an 18-inch Cassegrain telescope that will be launched in the late 1980's or early 1990's.

Using the talents of professionals, students, amateur astronomers and amateur radio operators, ISRG plans to provide a high quality telescope that will be available to individuals and institutions.

We know that you will find this to be a fascinating program and hope that you will make plans to attend.

REPEATER STEERING GROUP FORMED

A Steering Group has been formed to correct some problems with our present repeaters and to start upgrading them for improved coverage and service to our members. Merv MacMedan was asked by incoming President Steve Townes to serve as Acting Repeater Committee Chairman to get things started. A small group of concerned repeater users met on Saturday, February 15 to begin steering a revitalization course, and the following conclusions were reached:

It was determined that performance of our two repeaters has definitely degraded since they were installed ten years ago. When Merv conducted a survey of repeater users last year to determine the cause of the sparse utilization of our repeaters (unbelievably, we have over 90 paid-up autopatch members!) the majority of inactive users said the reason for their inactivity was because the repeaters didn't reliably serve their home, or their commute path. Reliable handi-talkie service is very much needed for popular usage, and we don't have it. Merv believes this is the primary reason for the current apathy and disinterest in the repeaters. Others outside of the club have perceived our apathy too, resulting in additional repeaters being co-channelled with us on a time-share basis, because we are so seldom active.

To cure this chicken-and-egg situation and get off top-dead-center, the steering group has initiated work to restore the performance we had originally, and subsequently plans to augment the performance to cover the outlying areas more reliably (particularly the San Fernando Valley where most of our members live). We are currently forming plans to do this by making our nearly-abandoned power amplifier go back to work and by installing remote voting receivers. Work has already begun on WB6IEA/R. Can YOU help? Let Merv know at X-7004.

Merv will present a progress report at the April club meeting and will keep you informed through REPEATER NEWS in this newsletter. (N6NO)

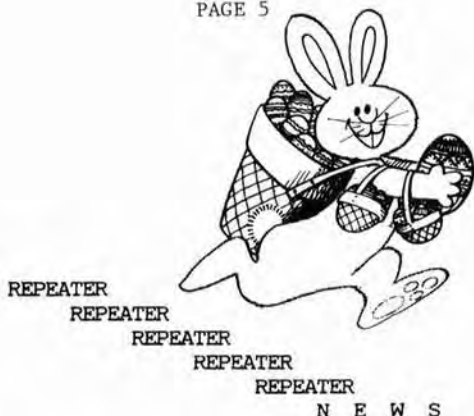
GUIDE LINES FOR FINANCIAL TRANSACTIONS

All requests for reimbursement for expenses incurred or advances for anticipated expenses will be submitted to the Treasurer. These requests will clearly indicate the nature of the expense and the budgetary item to be charged. Approval of the person responsible for that budget area is required before submittal to the treasurer.

All approved requests falling within the budget will be as soon as paperwork can be processed by the ERC. (About 3 to 5 days).

Requests not within budgetary limits will be submitted to the Board of Directors for action prior to submittal to ERC.

The treasurer will maintain a current list of expenditures by budgetary category, and will promptly notify the person in charge of any area that is close budgetary limits. Those persons are then responsible to seek action by the Board of Directors. Rick, KA6DAN



CLOSED MACHINE OUT OF SERVICE FEBRUARY 22-28

By the time you read this, loyal users of 224.08 will have noticed that the machine was down between February 22 and 28. While it started acting up with symptoms attributable to overheating, the real reason it was taken off the air was to do a routine check of antennas and feedlines, and to do scheduled maintenance (retuning) the duplexer. Stan, N6MP, did the second-story work and found the cable loss to be 1.8 db (more than we would prefer, but not unexpected for the cable being used); we may install better cable in the next few months if the improvement is worth the expense and effort.

When Sid, WB6VWH, got to the machine on Saturday he discovered the air conditioning was not turned on and the temperature was indeed too hot. A flick of the wrist cured that problem. Then, not knowing what he was in for, he brought the repeater and duplexers to the Lab for what was expected to be a four-hour tune-up.

On Sunday, Sid and Walt, WA6PEA, checked the tuning of the duplexer. The purpose of a duplexer is to allow the repeater to transmit and receive at the same time, mainly by filtering out the transmitted signal at the receiver input, and by attenuating the transmitter emissions seen by the receiver, 1.6 MHz lower. Expected isolation for a six-cavity duplexer like ours is in the neighborhood of 120 db, but this one was only achieving 93 db! Clearly, retuning was in order, or was it? No matter what was done, it was impossible to improve the performance by more than 0.1 db!

Monday night brought some catalog checking, manual researching, repeated measurements on the spectrum analyzer and head scratching. Still no clue - everything seemed proper. On Tuesday night, to try a different test setup, a short connecting piece of coax had to be switched. A measurement revealed the isolation had improved by 7 db! At last, a clue! The other cables connecting the cavities were checked and some were found to be one inch longer than they were supposed to be!

These cables do not connect together 50-ohm sources with 50-ohm loads (like the cable between your transmitter and dummy load, where length doesn't matter.) Here, between cavities of the duplexer, reactive sources and loads are present making the cable lengths critical. Correct-length cables were quickly fabricated and the duplexers again tuned. Voila! This time they found TWENTY SEVEN DB of improvement ... the 120 db isolation goal was achieved.

We received information from Floyd A. Paul, W6THU about a club that sounds very interesting. It's the Southern California Antique Radio Society. SCARS is a non-profit organization. It's purpose is to preserve the history of wireless communication by encouraging the acquisition, preservation and exhibition of antique wireless and radio apparatus and publications pertaining to its history and development.

SCARS promotes social contacts through meetings held four times a year at various locations in Southern California. Featured at these meetings are contests, swap sessions and talks by members and guests on subjects of interest to collectors.

The club publishes quarterly the "California Antique Radio Gazette" which features articles of historical interest, news of club activities, hints on restoration, and advertisement of radio related items available for sale or trade. It is furnished free to all members.

Membership is open to anyone having a genuine interest in preserving the equipment and history of early wireless and radio equipment. Dues were \$10.00 per calendar year at last report but they could have changed since then. For further information contact Floyd A. Paul 1545 Raymond Ave. Glendale, CA 91201. NOTE: Just called Mr. Paul and the dues have remained the same. They have 400+ members and are happy to accept new members at any time.



The most likely explanation for the wrong cable lengths getting into the system is the following. When the duplexer was delivered years ago, it had UHF connectors. We all know these connectors are not the best at 220 MHz, so they were replaced with type-N connectors in the duplexer. Then, new cables with type-N connectors were fabricated following the length information given in the instructions. However, a length of cut coax fitted to UHF plugs retains the same length tip-to-tip after the connectors are installed, while the same length of coax fitted to type-N connectors results in an overall length about 1/2 inch longer at EACH end because of the extension of the center pin. We must give credit to our two sleuths for this discovery: sometimes the most difficult problems have the simplest explanation, but even simple explanations can be very elusive!

We hope the 27 db improvement in isolation will greatly improve the chronic desense. It may even bring some users out of the marginal signal area into the reliable signal area. PLEASE USE THE MACHINE and let us know if you find it has improved. If it has, our efforts will have been worthwhile. (N6NO)

HAMS OF THE MONTH (Continued)

KENT C. WEAKS WA6JKM has been a ham for 26 years. He was born in Oak Park, Illinois and grew up in Lombard, Illinois. He's married with 5 children. One son and four daughters. His favorite food is fried chicken.

RALPH WEST N6YM has been a ham a "Long time". He was born in Ellwood City, Pennsylvania and also grew up there. He's single and has one married daughter living in South Carolina. His hobbies include hiking and his favorite food is "Whatever is on the table".

DICK WETZEL WA6JBZ formerly WA6PPB has been a ham for 24 years. He was born in Ohio and grew up in Pasadena. He's married with two children. His hobbies include video home movies, camping, and 4-wheeling. His favorite food is pizza.

BARRY WILDMAN formerly WA2RFY and WB6ZKX has been a ham for 12 years. He was born and raised in Rochester, New York. He's married with two sons. He operates on 6 Meters.

FLOYD A. PAUL, W6THU is retired but stays very active with the Southern California Antique Radio Society. Approximately 15-20% of the membership in that organization is comprised of amateur radio operators. (See article on Page 2)

R.J. (Bob) BRODKIN WA6TBH has been a ham for 24 years. He was born and raised in Brooklyn, New York. He's married and has two children (April-WA6RYT) and wife Betty is the Ex-WB6KMB. His hobbies include home computers and his favorite food is lobster (Maine type with claws).

To: AIZ
Subj: "The Case of the Poor Planner"

I'm posting this mainly because I haven't read anything about "real life" this funny in a long time, and it involves hams.

This was taken from the latest issue of the newsletter my ham club puts out. I can't vouch for it's authenticity, but the ham who contributed it is a pretty reliable source.

Evidently an insurance company wanted to know the whole story about one of their claims -I'd say this guy gave them everything they requested...

Enjoy!

"I am writing in response to your request for additional information in block number three of the accident-reporting form. I put "poor planning" as the cause of my accident. You said in your letter that I should explain more fully, and I trust that the following details will be sufficient. I am an amateur radio operator. On the day of the accident I was working alone on the top section of my new 80 foot tower, when I completed my work, I discovered that I had, over the course of several trips up the tower, brought up about 300 lbs of tools and spare hardware. Rather than carry the now unneeded tools and material down by hand, I decided to lower the items down in a small barrel by using a pulley, which fortunately was attached to the gin pole at the top of the tower."

"Securing the rope at ground level, I went to the top of the tower and loaded the tools and materials into the barrel. Then I went back to the ground and untied the rope, holding it tightly to ensure a slow descent of the 300 lbs of tools. You will note in block #11 of the accident-reporting form that I weigh only 155 lbs."

"Due to my surprise at being jerked off the ground so suddenly, I lost my presence of mind and forgot to let go of the rope. Needless to say, I proceeded at a rather rapid rate of speed up the side of the tower. In the vicinity of the 40 foot level, I met the barrel coming down. This explains my fractured skull and broken collarbone. Slowed only slightly, I continued my rapid ascent, not stopping until the fingers of my right hand were two knuckles deep into the pulley."

"Fortunately, by this time, I had regained my presence of mind and was able to hold on to the rope in spite of my pain. At approximately the same time, however, the barrel of tools hit the ground and the bottom fell out of the barrel. Devoid of the weight of the tools, the barrel now weighed approximately 20 lbs. I refer you again to my weight in block #11. As you might imagine, I began a rapid descent down the side of the tower. In the vicinity of the 40 foot level, I met the barrel coming up, this accounts for the two fractured ankles and the lacerations of my legs and lower body."

"The encounter with the barrel slowed me enough to lessen my injuries when I fell onto the pole of tools and fortunately, only three vertebrae were cracked. I am sorry to report, however, that as I lay there on the tools in pain, unable to stand and watching the empty barrel 80 feet above me...I again lost my presence of mind...I let go of the rope."

Contributed by Dean Haney W6RPM, retyped by myself, N7HAW.

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Via S.C.A.T.S. Newsletter, March 86-Thanks to them!

**ARRL NATIONAL CONVENTION**

Advance registrations are now being taken for the ARRL 1986 National Convention on September 5, 6 and 7. Postmark before April 15th, 1986 is eligible for both the Early Bird and Advance Registration prizes. Advance registration is \$7. per person. It will be \$10 after August 15th.

The Banquet (prime rib) is \$25; Ladies luncheon \$10. The Friday night Dinner/Dance/Cruise with open bar is \$33 and is open to the first 100 people only. All prices are per person. 18 years and under - no charge for admission at the door. Make checks payable to SANDARC, Inc., POB 82642 San Diego, Cal. 92138.

The meeting site is Town & Country Convention Center. To reserve a room at the Convention site or other San Diego Atlas Hotel call toll free: 800-542-6082. Ask for ARRL rates.

I just called the Town and Country and here's the scoop on the rates: \$70 - garden area. \$80 - poolside, East hi-rise. \$97 - West hi-rise. Actually, hi-rise is misleading. The tallest building they have is only ten stories. The garden area rooms have either two double beds or one king. The other rooms have either two queens or one king. Ya pays yer money and ya takes yer chance. [1]









## PROPOSED W6VIO MONTHLY NET ACTIVITY SCHEDULE

| <u>MONTH<br/>WEEK 1</u>                      | <u>MONTH<br/>WEEK 2</u>                      | <u>MONTH<br/>WEEK 3</u>                           | <u>MONTH<br/>WEEK 4</u>                    | <u>MONTH<br/>WEEK 5 (when required)</u>           |
|----------------------------------------------|----------------------------------------------|---------------------------------------------------|--------------------------------------------|---------------------------------------------------|
| -NET PREAMBLE                                | -NET PREAMBLE                                | -NET PREAMBLE                                     | -NET PREAMBLE                              | -NET PREAMBLE                                     |
| -WESTLINK TAPE                               | -WESTLINK TAPE                               | -WESTLINK TAPE                                    | -WESTLINK TAPE                             | -WESTLINK TAPE                                    |
| -ARRL REPORT                                 | -ARRL WEST DIV. REPORT                       | -NEWSLETTER REPORT                                | -SATELLITE REPORT                          | -ANNOUNCEMENTS FROM<br>NET LISTENERS              |
| -JPL CLUB ACTIVITY<br>REPORT                 | -NASA TAPE REPORT                            | -JPL SPACE MISSION<br>REPORT #3                   | -REPEATER REPORT                           | -QUESTION ANSWERS<br>FROM PREVIOUS NET            |
| -DX/BAND CONDX REPORT                        | -JPL SPACE MISSION<br>REPORT #2              | -QUESTION ANSWERS FROM<br>PREVIOUS NET            | -XYL ACTIVITY REPORT                       | -SUBMISSION OF QUES-<br>TIONS FOR THE<br>NEXT NET |
| -JPL SPACE MISSION<br>REPORT #1              | -QUESTION ANSWERS FROM<br>PREVIOUS NET       | -SUBMISSION OF QUES-<br>TIONS FOR THE<br>NEXT NET | -JPL SPACE MISSION<br>REPORT #4            | -SWAP/CHECKIN                                     |
| -QUESTION ANSWERS FROM<br>PREVIOUS NET       | -SUBMISSION OF QUESTIONS<br>FOR THE NEXT NET | -ANNOUNCEMENTS FROM<br>NET LISTENERS              | -QUESTION ANSWERS<br>FROM PREVIOUS NET     | -NET CLOSING                                      |
| -SUBMISSION OF QUESTIONS<br>FOR THE NEXT NET | -ANNOUNCEMENTS FROM<br>NET LISTENERS         | -SWAP/CHECKIN                                     | -SUBMISSION OF QUES-<br>TIONS FOR NEXT NET |                                                   |
| -ANNOUNCEMENTS FROM<br>NET LISTENERS         | -SWAP/CHECKIN                                | -NET CLOSING                                      | -ANNOUNCEMENTS FROM<br>NET LISTENERS       |                                                   |
| -SWAP/CHECKIN                                | -NET CLOSING                                 |                                                   | -SWAP/CHECKIN                              |                                                   |
| -NET CLOSING                                 |                                              |                                                   | -NET CLOSING                               |                                                   |

EDITOR'S NOTE: PAGE 9 and 10 ARE ATTACHMENTS TO THE ARTICLE ON PAGE 11 and 12 .

It is necessary to put the attachments first so that the printer will have the bottom half of page 12 to put the mailing label.

JPL ARC W6VIO NET ACTIVITY QUESTIONNAIRE  
(SEND TO RUSS DOW: 126-108)

NAME:

CALL SIGN:

MAIL STOP:

PHONE # :

NET ACTIVITY SEGMENT AREAS"YES" I WILL VOLUNTEER!
RESPOSNIBILITY  
(PRIMARY PRESENTER-BACKUP)

NET CONTROL STATION

ASSISTANT NET CONTROL

WESTLINK TAPE PRESENTER

ARRL REPORT PRESENTER

ARRL WESTERN DIV. REPORT

NASA TAPE PRESENTER

OTHER AMATEUR REPORTS

JPL CLUB ACTIVITY REPORT

DX/BAND CONDX REPORT

JPL SPACE MISSION REPORTS

#1 } *EXAMPLES :*  
 #2 } • *VOYAGER*  
 #3 } • *ULYSSES*  
 #4 } • *GALILEO*  
 • *(OTHER ---)*

XYL ACTIVITY REPORT

NEWSLETTER REPORT (W6VIO)

SATELLITE REPORTS

JPL REPEATER REPORTS

QUESTION/ANSWER SESSION LEADER

NET LISTENER ANNOUNCEMENT LEADER

SWAP/CHECKIN LEADER

OTHER SUGGESTED SEGMENT AREAS

-

-

-

YOUR COMMENTS/SUGGESTIONS/OTHER:

JPL W6VIO NET REACTIVATION

A significant number of JPL ARC members and non-club members have expressed their feelings regarding the reactivation of the W6VIO Tuesday evening information net. They would like to see the net back on the air again!

Because of this interest some preliminary ground work is taking place to reactivate the net. I have been asked to come up with a reimplementation plan and to act initially as net control until it gets back on its feet again. This I'm willing to do, but I solicit your help. We all need to work together to make the net a successful operation once again!

I feel that the goal of this reimplementation should be to provide net activities which JPL club members and the amateur community in general would take pride in. These activities also should stimulate everyone to take part in the net while being rewarded in the process.

For this to happen, loyal support is required from our club members and a reformatting of the net activities is probably required. From what I have been told, there is plenty of interest in net participation by non JPL club members if the net activity format is structured to allow it. The letters JPL alone stimulate curiosity about the high tech. space programs going on at the lab. Our net should provide some of this information on a continuing basis. And, as it has done so well in the past, it should continue to provide the latest subject matter related to amateur radio.

Regarding all this, here are some ideas I've come up with for a new net format. I solicit your suggestions/comments and would like to know if you are willing to participate in the net operations by volunteering to be responsible for the duties related to one of the proposed net activities.

Instead of the net taking place on Tuesday evening, let's try it on Thursday night at 8 p.m. Then maybe most of us will have a bit more time to contribute since the hectic beginning of the week is over with. Let's still use the .04 W6VIO repeater, but when shuttle audio or other special events are using that machine we will use the .08 WB6IEA/R machine. In both cases the timers will be disabled so that the net activities can take place without undue interruptions. A generalized weekly net format can be followed but most of the major information segments (except West Link tape and a couple others) need only be presented once a month. This scheduling should make it a bit easier on those who volunteer to take the responsibility of a specific net activity. They will only be obligated to present information once a month. There are enough total net segments scheduled (see proposed schedule which follows) to keep the net busy each Thursday night.

Each net segment will have two persons assigned the responsibility for making sure that their area is presented on the proper net evening (a primary and secondary presenter). The assigned "team" will be responsible to itself and to the net for making sure that someone obtains the segment information and then actually shows up to handle the presentation at the right time.



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When all the major net presentation areas are completed, the net will be open to its listeners. They will be given an opportunity to submit their questions about the lab and its space mission activities. The questions will be recorded by the net control, or by a volunteer. If possible, the answers will be provided during the next regular net operation during the segment provided for that activity.

Following the Q/A net activity all participants will have an opportunity to make amateur radio related announcements. These might include subjects related to their club meetings and guest speakers, special band activities or openings, T hunts, swap meets, public service activities, emergency operations, or other subjects.

The final net activity each evening will be a "swap session". The net will be opened for checkins and their swap related information. Anyone who checks in can list (through net control) amateur radio items they have for sale, trade, or give away. They can also list items which they are looking for in hopes that someone listening may have that item. Everyone listening will be encouraged to check in, even if its just to say "hello".

These three net areas, Q/A, general announcements, and swap, will give everyone a chance to participate and will also provide us with information about how many participants we have.

The previous paragraphs contain some of my ideas (using some inputs from others) related to starting up the new JPL ARC W6VIO weekly net. I know that I probably have missed a few things that you know of that would make the net even better. If you have suggestions please let me know. All inputs will be taken into consideration before a final schedule is prepared and a starting date is determined. Your comments can be placed on the following questionnaire.

In order to make this net operation successful, I need your help. Please fill in the questionnaire and indicate which net activity area(s) you feel you can contribute to. Forward the information to Russ Dow (WA6JCK), at mail stop 126-108. I will get back to you regarding your inputs as soon as I can. Let's see if we can bring back a net that all of us can be proud of.

Thanks for your help, and 73. Brian/KW6J

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