

"Unity & Friendship"

"FRENDX"

Official  
NASA  
Bulletin

VOL. II-NO. 10-9/63

# NORTH AMERICAN SHORTWAVE ASSOCIATION

HEADQUARTERS

1521 FIFTH AVENUE

ALTOONA, PENNA. 16602

Notice!!

TO ALL MEMBERS

Notice!!

Because of the fact Rick Roll resigned as bulletin publisher/printer, effective mid-July last, there was no edition of *Frendx* for said month. In addition, due the fact no arrangements could be made, mainly for the reason I have been working (vocationally) a seven day week this summer, there was no August edition. Therefore, please be here informed that all members will get a two month extended membership which will allow for the two aforementioned bulletins not received.

At this time I would like to ask all members to contribute to a "mimeo fund" so that we can purchase our own machine for future editions of *Frendx*. I personally will get the ball rolling by donating ten dollars. If each member will try to add one dollar, we can/will be able to get a most worthy mimeo and the club will not have to rely on any one individual as in the past. All bulletins can then be printed and mailed from hdq. (this will expedite matters in many ways!) It is requested that you send any/all contributions to hdq as soon as possible. Thank you!

This edition of *Frendx* has been printed by NASA member-FSDXC official, Don Erickson; he volunteered his services and use of his mimeograph. (NASA will reimburse him for expenses incurred for supplies and postage.) We are indeed grateful to Don and FSDXC for the splendid showing of "Unity and Friendship".

WELCOME: GREETINGS!!

NEW MEMBERS

WELCOME: GREETINGS!!

- 145 Bill Ruland-Box 164, Mattituck, N.Y. (W. Anderson)
- 146 Ernie McDermott-345 Farmington Ave., Unionville, Conn. (R. Derickson)
- 147 Peter Drew-84 Adelma Road, Nedlands, W. Australia (P. Bassiri)
- 148 Dick Cohen-39 Neptune Ave., Winthrop, Mass. (P.E.)
- 149 Gwynn Jones-MCS., RAF., Bahrain, Persian Gulf BFPO 63 (S. Reading)
- 150 Andy McLellan-East Riverside, Kings County, New Brunswick, Can. (P.E.)
- 151 Russ Weaver-Route 5, Box 93, Grafton, W. Va. (D. White)
- 152 H. Julio Pressa-Moreno 1326-2P-DFO A, Buenos Aires, Argentina (R. Newhart)
- 153 Don Havel-1748 Holiday Blvd., Forest Park, Georgia (L. Kuney)
- 154 Joe Miller-719 2nd Ave., Devils Lake, N.D. (L. Marshall)
- 155 Frank Peters-820 W. 34th St., Chicago, Ill. (D. Benson)
- 156 Don Cassidy-Route 2, Mocksville, N.C. (C. Green)
- 157 Liam Tully-Spitfire Block, RAF Tobruk, Lybia, BFPO 56 (J. Creek)
- 158 Joe Johnston-4834 Old York Rd., Philadelphia, Pa. (FSDXC)
- 159 Don Jensen-1832 Ridge Drive, Racine, Wisc. (MWDXSWRC) D. Kilborn)
- 160 Roger Leclerc-Box 96, Chalk River, Ontario, Can. (L. Kuney)
- 161 Emil Vandavelde-19 Oswego Ave., Oakland, N.J. (NNRC)

NEW QTH's

- Frank Curran-Upper Union Street, North Anson, Maine
- Earl Fisher-3947 Silver Dollar Ave., Apt. F, Las Vegas, Nevada
- Gene Moulter-243 Court Street, Laconia, N.H.
- Ted Templeton-P.O. Box 1933, Wichita Falls, Texas

## HEADQUARTERS ANNOUNCES!

The resignation of Lavoyd Kunesy as HamBand editor and the appointment of Richard Few to said post. Lavoyd has consented to assist Dick in any/all ways he can. We are very regretful to lose Lavoyd in this instance, but needless to say his reasons for resigning are personal and most justified. Consoled we are however, that he is still a member of our club and can be counted on to help in his own inimitable way.

Resignation of Dick Derrickson as CoEditor of NewsRoom section and appointment of Tom Cradullo to replace him. Dick is leaving the hobby as well as his former post with NASA. His reasons are personal. It goes without saying that we are indeed very happy to have Tom with us on this Friend Staff and know he will do a most FB job.

Acceptance by Clif Evans/K6EX, of the NASA HamBand Awards which will count as CHC-SWL credits (I should have said SWL-CHC credits). NASA is one of the few SWL clubs to have this distinction!

Peter Drew, new member from Australia has accepted post as NASA representative from "down under". Also; Hector Julia Pressa, Argentina, has agreed to be same from the "land of the gaucho". We are most pleased to have both these OM with us in these capacities and know they will have some very interesting writings in future issues.

An election will be forthcoming to elect directors for the club. Complete facts will be contained in an edition of Friend as soon as possible. Meantime I suggest everyone begin thinking of "favorite candidates".

Help is urgently needed by Hdq. Anyone who has a typewriter and knows how to cut stencils; Who has the time and will volunteer to assist; Please write to hdq.. Tnx!

Reminder that contribution/donations are vitally needed in order that we can buy a mimeograph for the club. This should have been done long ago, but being we thought R.Roll would remain in his previous post, we never gave it much thought. The club needs its own machine so that such an occurrence wont QRM things in future as it recently has. No matter the amount of your contribution/donation, it will be most appreciated; Important thing is that you DO CONTRIBUTE/DONATE!

After Labor Day, your Exec. Editor will be back on a 5 day work week (vocationally) and will have more time to devote to club matters. However, please note I will, at request of members, give over my position to another of NASA should it be desired.

To expedite mail delivery service of future bulletins, all members are asked to send a postcard to hdq giving your complete address plus ZIP number.

## WANTED/FOR SALE

## CLASSIFIEDS

## FOR SALE/WANTED

Two (2) Knight Kit radio broadcasters; Good condx. One (1) Realistic stereo amp, excellent condx. Two (2) earfone cushions (rubber), like new. Write Larry Marshall, Box 291, Devils Lake, N.D.

Books... "How to Listen to the World", "Operating an Amateur Radio Station", "How to become a Radio Amateur"... Write Dick Derrickson, 305 Jefferson Ave., Alexandria, Va.

Pentron Tape Recorder. Two trak-mono, dual speed. In FB condx. Priced right. QSL T.Sgt. D. E. Wood, Box A2358 CMR, Andrews AFB, Washington 25, D.C.

Contributions/donations to be used for new mimeograph machine on which future club bulletins will be printed. Send direct to hdq.

EDITORS  
CORNER

"UNITY and FRIENDSHIP" Part 1 - Friendship.....

All intelligent people are well aware of the danger of too much radioactive fallout. It is something which our leading scientists are much concerned about.

High level talks have been going on for a number of years in an effort to bring about an agreement not to pollute the atmosphere with nuclear tests. The most powerful nations of the world are bending their efforts to bring about a solution of this great problem. Yet this "poison" though great, is not the most-to-be feared loose in the world today.

The "Silent Spring" has alerted many Americans to the dangers of poisons used to promote growth of vegetation and to destroy unwanted weeds and insects. It must be admitted that there is some danger in the use of these pesticides and weed killers and steps have been taken to protect the public. But these are mild poisons compared to the one which is now threatening the whole of mankind.

The "poison" most to be feared is one that is almost as old as creation. It affects the mind and the soul and also the physical body of man. It has no long and hard to remember scientific name. It is spelled with four letters...H-A-T-E.

It led to the first recorded murder. It has brought about wars, prompted the slaying of millions of innocent people and destroyed more lives and property than any poison ever introduced upon this earth. Its evil companions are envy, egotism, fear, lust and greed. Today it/these seem to have most of the world "afflicted".

Even to the hobbyworld these "poisons" have found "root" and it is evident such is now becoming more and more widespread. We are only a few, we radio hobbyists, yet few that we be (compared to the all of mankind) would it not help, if only in a trite way, if we were to promote more friendship and understanding inter and intra clubwise as well as intra hobbywise (pertaining to all hobbies related to radio).

Bill Eddings

TIS THE SEASON....

We are now in that time of year when vacation is foremost on mind, a season when only the more avid and astute DXer spends appreciable time at his listening post, a season when most of us answer the call of the great outdoors. Through the years this season has been very noticeable in the various club publications...fewer reports than usual are submitted and as a result, most bulletins are less lengthy than usual. So if you find this fact holds true in the next few editions of Friends, let yourself understand.

Speaking, or as in this instance, writing, both as the executive editor and as an individual, I wish to say that I very much enjoy getting outdoors this season of the year and I intend doing so whenever occasion is "ripe". However, being that I have recently secured employment which has been demanding a seven day week, my "outdoor time" is quite limited. Fact is, it has begun to ~~OR~~ my club work too. As I noted for you on the front page, I am taking primary steps, making basic arrangements in case my resignation becomes necessary (and it is evident it will). NASA is no longer a small club, it now requires much time and effort of its officials (though the most of you fail to realize it). Running a club, even though it be hobby-connected, is not fun and it certainly can't be considered "glorious" although at times such is as some infer it, others believe it.

Anyway, as I prepare to open the front door to make my exit, please know I do it, not with smile on face, but rather "heavy-hearted". The club won't be losing anyone "special" in me, nor will the hobby be losing a top DXer; I never was and I never claimed to be either! Somehow though, I hope to think I did a bit of good somehow, somewhere along the road and that in days to come there will be just one, at least, who will recall that the NASA (not the hobby) was once run by an obscure, humble OM who wanted nothing but friendship and goodwill between those he came to know as brothers. Can anyone say I was wrong in preferring my number of friends over my number of DX catches?



\*\*\*\* "HOT" ANTENNA.... Some interesting comments on a new antenna from member John Ball.... "The purpose of this QSO concerns one of the most important items an SWL has. In fact, the most important...that is, the antenna. I think I've run across one of the best buys in SWL antennas in years. You've probably read the July issue of RE, well, anyway, on page 20 they've got an article entitled "Major improvements for Short-Wave Reception". In this article they describe high efficiency SW antennas, and how they increase signal strength. To make a long story short, five months before the publication of this article, I bought (on the advice of a fellow SWL) an antenna manufactured by a little known firm known as Mor-gain Products. This is the exact same antenna described on page 21 of the article in RE, as I was later to discover. In their price list, they (Mor-gain) describe the antenna as a "BOMB". They couldn't be more correct. After only five months of usage, I've logged and verified 47 countries, with ease I'd never thought was possible. By now you're probably saying, 'Aw, this guy's working for 'em.' Well, I ain't; all I want to do is give credit where credit is due, and believe me, it's certainly due to Mor-gain. The antenna I purchased is known as "75/40" and is mainly a ham-band job. But all you have to do is request to have it modified for SW. It works better than even the revered SWL-7, which I also own. For further info., those who are interested can write: Mor-gain, P.O. Box 6006, Alexandria, Virginia. Thanks fur your time, OM! John (If you're in the market for a new antenna, why not check this out? Ed.)

\*\*\*\* Olympics Via Satellite?.... International Telephone and Telegraph Corp. of Japan recently announced that the first of a series of tests on the feasibility of relaying next summer's Olympic Games was successful. The firm said a station in the Ibaraki Prefecture northeast of Tokyo had received a strong signal via Telstar 1I from the US ground station at Andover, Maine, which proved the relay was technically possible. (TV Guide)

\*\*\*\* TV..At Home and Abroad.... Television is growing faster abroad these days than it is here at home. We have about 620 stations and 60 million sets in the United States. The rest of the world has about 2500 stations (many of them low-power relays, repeaters and satellite installations) and 65 million sets. Despite mushrooming station and set figures, shortages of money and talent make programming a major problem in many countries. That is why film and tape provided without charge by the United States Information Agency are so popular. Last year more than 500 USIA programs were seen in 61 countries. ...USIA has asked that its budget for next year be boosted from \$3.9 million to \$6.9 million. Congress is understandably reluctant to increase expenditures. In this case, however, we can't afford not to take advantage of the position we have already established in television abroad. If nothing else, we owe it to our country to turn out USIA television programs which will counteract the image of America reflected in some of the old, cheap, violent American commercial programs that are being distributed overseas. We can't stop these programs from being sold abroad, but we can see to it that foreign audiences are also exposed to the truth about our people and our way of life. (Reprinted from the "As We See It" column in TV Guide.)

....That'll have to be it for now. On to the rest of the "Newsroom" and don't forget to send your items to Tom and I. 'Till later then, 73.

## \*\*\*\*\* Special Monthly Feature - SUPERCONDUCTIVITY \*\*\*\*\*

"Superconductivity", you ask, "what's that?" Well, as you know, some elements are good conductors (such as copper, silver and most other metallic elements). Some elements, on the other hand are insulators, and do not permit the flow of electric current. (Elements such as glass, rubber, and woods are insulators). As you also know, some elements are neither conductors nor insulators, but are more or less in between as far as conductivity is concerned. These materials are known as semi-conductors. Just as there are semi-conductors (materials which are neither good conductors nor good insulators), there are also super-conductors (able to conduct exceptionally).

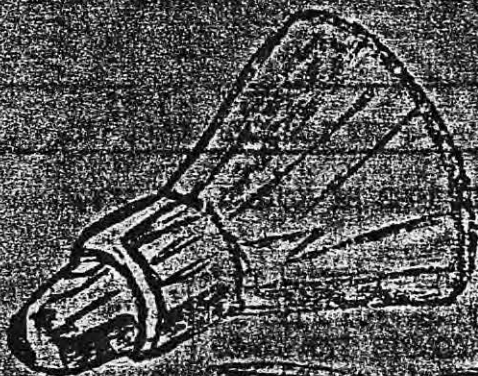
Some materials lose all resistance at temperatures near Absolute Zero ( $-460^{\circ}\text{F}$ ). These materials are generally referred to as super-conductors. This strange property was discovered by Kammerlingh Onnes in 1911 when he was experimenting with a block of mercury submerged in liquid helium. While measuring the resistance, he noticed that near  $-460^{\circ}$ , all resistance appeared to disappear.

After further experimentation, Onnes also discovered that not only several metals were super-conductive, but also that each metal had its own characteristic 'super-conductive temperature' (the point at which the material became super-conductive). A few years after this discovery, he also found that when a sufficiently strong magnetic field is applied to a super-conductive circuit, the super-conductivity vanishes, and the circuit reverts to a resistive state.

Until this time, the largest electro-magnet existing was probably the huge 88,000 gauss research magnet. It filled several rooms, consumed 1.5 mega (Million) watts, and required thousands of gallons of water for cooling per hour! An attempt was made in 1957 to make a super-conductive solenoid in order to construct an electro-magnet. It failed for one reason. The solenoid was successfully constructed, and worked rather well, but as soon as the magnetic field reached any sort of half way decent strength, it ceased functioning. The reason?...For that, see the continuation of this article in next month's NASA NEWSROOM!

\*\*\*\* SATELLITE COMMUNICATIONS....Board Chairman David Sarnoff of the Radio Corporation of America has expressed doubt that a commercial satellite communications system can return a profit for many years to come. Sarnoff reportedly has suggested to Leo Welch, Chairman of the CCSC, that it might be advisable to change the law under which the corporation was established to permit the company to buy the existing US International Telephone and Telegraph systems. Informed sources in Washington say that Sarnoff said in a letter to Welch that the expanded corporation should remain a private enterprise--a regulated public utility--but would then be strong enough to compete with such powerful agencies as the British GPO. ....Sarnoff reportedly said that it may take up to ten years to establish a reliable satellite communications system. Most foreign communications networks are government monopolies, he said, and the countries involved will continue to use their own cable organizations as long as possible before starting to rent the services of a satellite system. (de AP Newswire and Doug Benson).

..Send in any and all news items. All will be appreciated!.....TOM.....



# SPACE WORLD

\*\*\*\*\*  
P.O. Box 217  
Leonard Wood, Missouri  
U.S.A.  
\*\*\*\*\*

TODAY and TOMORROW

Vanguard 1 - Frequency 108.023 mcs. Transmits only while satellite is in the sun (no battery power). Solar cells which are generated by sunlight supplies power.

Project Moon - Frequency 1296 mcs. This project is conducted only when the moon is visible in the daylight hours which is but a short period.

Alouette satellites - Frequency 136.593 mcs. (Xmits only upon command from ground station, not during every pass on this freq) 136.979 mcs telemetry tone. This is a Canadian/United States venture.

Ariel satellites - frequency 136.408 mcs. This is a British/U.S. project.

The following satellites xmit only upon command from ground station and not during every pass; Explorer 16, freq - 136.200 mcs. Explorer 17, freq - 136.317 mcs. Explorer 18, freq - 136.860 mcs.

Radio Astronomy Frequencies - 608,000 to 614,000 mcs. This tiny band on the electromagnetic spectrum is used by astronomical observatories to listen to whispering radio waves that come across it from depths of outer space. (There are indications that signals have been heard from other planets).

Soviet spacecraft frequencies - 9,018, 9,019, 15,765 and 20,006 mcs. (These are working during future Russian orbits).

Soviet Union satellites - Cosmos II, freq 20,005 and 90,011 mcs. Cosmos V (also known as IV) freq - 20,008 mcs. Cosmos VI, freq - 90,023 mcs.

A capsule has been prepared for "Archys", first orbit into space. The capsule is named after Archy the cockroach. Who is Archy? Read about him in the May/63 Readers Digest article titled "The Triumph of Archy the Cockroach".

Attention you philatelists... First Day Space covers are available from Space Collectors, P.O. Box 2296, Huntington, West Virginia.

For those of you interested in fuel propelled model rocketry, join the National Association of Rocketry, Stamford Museum and Natural Center, Stamford, Connecticut.

Venus Radar probe - Frequency 2388 mcs. This probe was conducted in mid-March by the Jet Propulsion Lab in Goldstone, Calif. (More info on this later)

See that a... on this ground. See you in "Cloud 9".

73. Mick Trench

THE DISCOVERY THAT STARS EMIT RADIO WAVES WAS MADE IN 1952 BY LOUIS ARMSTRONG AT THE BELL TELEPHONE LABORATORIES.

TRANSIT IV A DATA OBTAINED 28 JUNE 1961 ORBIT TIME: 104 MINUTES. FUTURE YEARS PLUS TRANSITION STILL ON. COULD POSSIBLY CONTINUE FOR FIVE YEARS. WILL BE TURNED OFF BEFORE THE TRANSITION BROADCASTS ITS EXACT POSITION (DATA FROM GROUND COMPUTERS) EVERY 11.18 SECONDS. POWER (NUCLEAR) FROM 150 and 320,000 mcs (BATTERY SOLAR CELLS) FROM 162,000 and 246,000 mcs. U.S. TRIPLE SATELLITE TRANSIT AND TWO PIGGYBACK SATELLITES. IN JUNE 1961, THE LATER TWO FAILED TO SEPARATE.

RECORDING 33 RPM ASTRONAUT WALLY SCHIRRA IN "SIRIA 7" MERCURY CAPSULE 10th FLIGHT (6 ORBITS) \$1.00 plus 30% postage. SCIENCE PROGRAM, 563 BRANKLIN AVE GARDEN CITY, L.I., NEW YORK.

COURIER 1B DIME ORBITED 4 OCTOBER 1960 (1.50 PA. EDT) (OTHER NAME: ACTIVE RADIO RELAY; ORBIT TIME 107 MINUTES; LIFETIME: 200 to 500 YEARS; (THE ONLY KNOWN TELEMETRY TRANSMITTER ON VHF \*14 WATTS 7 CHANNEL) FREQ. 107.970 MCS. 3500 ON 4 VHF TRANSMITTER 8 WATT FM.

U.S. ANIMALS IN ORBIT  
RECORD 28 MAY 1959 - MONKEY "ABLE" AND "BAKER", HIGHEST FLIGHT OF RECOVERED CAN TEST ANIMALS IN JUPITER NOSE CONE. HEIGHT 366 MILES.

29 NOVEMBER 1961 THE "ORION" FEROS ORBITED THE EARTH (WAS RECOVERED 500 MILES SOUTHWEST OF HAWAII) HE WAS SAILING WHEN BOOSTED INTO ORBIT AND SPILLING WAS RECOVERED.

UNITED STATES SPACE FLIGHTS MERCURY CAPSULE PROGRAM: FOR THE RECORD  
MAY 15, 1961 ALAN SHEPHERD JR. SUBORBITAL: 15 minutes 22 seconds  
JULY 21, 1961 VIRGIL GRISSON SUBORBITAL: 15 minutes 37 seconds  
FEB 20, 1962 JOHN GLANN THREE ORBITS: 4 hours 55 minutes  
MAY 24, 1962 SCOTT CARPENTER THREE ORBITS: 4 hours 56 minutes  
OCT 3, 1962 WALTER SCHIRRA SIX ORBITS: 9 hours 11 minutes  
MAY 15, 1963 GORDON COOPER 22 ORBITS: 34 hours 20 min. 30 seconds  
THEY SAY "SEEMINGLY BELIEVING" AND THE UNITED STATES HAS SHOWN ITS ACCOMPLISHMENT IN THE SCIENTIFIC FIELD TO THE ENTIRE WORLD VIA NEWSPAPERS, RADIO AND TV. THE SELF ASSURANCE HAS ACCOMPLISH THIS. THE UNITED STATES POLICY IS NOT TO HIDE A CLOAK OF SECRECY. WE TAKE OUR FAILURES WITH OUR SUCCESS IN STRIDE.

ROBERT H. GODDARD (1882-1945) AN AMERICAN HE WAS THE PIONEER ROCKETER HERE IN THE FIRST LIQUID FUEL ROCKET ON 16 MARCH 1926 (HEIGHT 184 METERS; SPEED 60 MPH)

ASTRO PHELANIA AND ONE INTERESTED IN AIR MAIL (TOPICAL) STAFF COMMISSIONER IS THE JACK KNIGHT AIR MAIL SOCIETY. AFTER FORMER SSG. LEROY COBBIN, BORN IN VERMONT.

INSECTS IN ORBIT FIRST: APRIL 18, 1947 ON RED ROCKET EXPERIMENT IN SPACE. FROM THEM IN FEROCE FLIGHT 50 MILES PLUS.

TRANSIT IV A DATA OBTAINED 28 JUNE 1961 ORBIT TIME: 104 MINUTES. FUTURE YEARS PLUS TRANSITION STILL ON. COULD POSSIBLY CONTINUE FOR FIVE YEARS. WILL BE TURNED OFF BEFORE THE TRANSITION BROADCASTS ITS EXACT POSITION (DATA FROM GROUND COMPUTERS) EVERY 11.18 SECONDS. POWER (NUCLEAR) FROM 150 and 320,000 mcs (BATTERY SOLAR CELLS) FROM 162,000 and 246,000 mcs. U.S. TRIPLE SATELLITE TRANSIT AND TWO PIGGYBACK SATELLITES. IN JUNE 1961, THE LATER TWO FAILED TO SEPARATE.

NASA 136 CONVERTED THE NASAS TO CONSTRUCT NASA 136 CONVERTED TO BE FOUND IN JUNE 1962 IS THE ONLY RADIO ELECTRONICS PUBLICATION. THIS SENSITIVE CONNECTION CAN INTERCEPT AND TRANSMIT OPERATING IN THE 136 and 137 MHz BAND.

**RUSSIA FAILS TO REPORT:\***

OCT 24, 1962: - LAUNCHED SOLE KIND OF A SPACECRAFT THAT WENT INTO ORBIT IN 24 SEPERATE PIECES. THERE IS NO INDICATION WHETHER IT WAS NAMED. AS UP TO DATE STILL HAVEN'T REPORTED IT. THE PIECES STARTED REENTERING THE ATMOSPHERE FIVE DAYS AFTER LAUNCHING. THE LAST PIECES FELL FROM ORBIT FEB 20, 1963.

**OTHER LAUNCHINGS NOT REPORTED:-**

SEPT 12, 1962: - TIL-7: - Seven sections of this satellite dropped out of orbit seperately within five days.

NOV 4, 1962: - DXI-L-5: - The five fragments disappeared in NOV, DEC 1962 and JAN 1963.

JAN 4, 1963: - IA-IB-IC: - The largest section dropped from orbit JAN 5, 1963, but the other two lasted a week.

**UN-NAED SPACE CRAFT.**

Aug 25, 1962: - Eight pieces dropped from orbit Aug and Sept 1962....

Sept 1, 1962: - Eight parts disappeared Oct 1, 1962....

Nov 1, 1962: - Two sections dropped from orbit Nov 2 and 3, 1962.....

April 12, 1962: - Object launched on this date still in orbit.

May 22, 1963: - COSMOS 17: - Went into orbit in seven fragments which are still in orbit Russia is careful to announce each launchings of the Cosmos series of unmanned satellites starting March 16, 1962, but fail to report or give information on period of each vehicle remain in orbit. (North American Air Defence COMMAND which operates surveillance section: - from which this information originated and reported to GODDARD SPACE FLIGHT CENTER, GREENBELT, Md. (NASA-NORAD SUMMARY)

ANTENNA FOR RECEPTION OF SATELLITES: - Listners in the Central part of U.S. should get the well known and popular all CHANNEL CONICAL TV ANTENNA, which is readily available thru most television parts distributors. It provides a substantial signal gain over simple diopole and may be used for 108 mcs reception without alteration. (WILLIAM T. ORR: - W6SAI)

TELESTAR II: - LAUNCHED MAY 1963: - Orbiting Time: - 3-3/4 hours: - Visibility between the United States and Europe: - for more than two hours per orbit: - from early June to end of September and for a shorter period for a month or so after that. Its orbits will be such that U.S. and Europe COMMUNICATIONS will not be possible in MID-WINTER. FREQ: - 136,000 mc/s ( RADIO ELECTRONICS)

UNITED STATES SCRAPES SPY IN SKY PLANS: - The Pentagon virtually has given up on continuing production of spy satellite to detect soviet ballistic missile launchings and flash instant attack warnings to the United States. A sharp cut in funds apperantly spells the end of the MIDAS SATELLITE. But furthur research is to be continued. MIDAS SERIES: - MIDAS II: - DATE ORBITED May 24, 1960: - Transmitter ceased after 28 hrs: - freq classified: - MIDAS III: - Date orbited 12 July 1961: - Orbit time 160 minutes: - Freq and lifetime classified: - MIDAS IV: - Freq: - 228,000 and 232,400 mcs.

Greetings Everyone: - Please do excuse my spelling as this stencil was cut under great difficulty the heat was 95% here at Fort Wood and that was enough for ones mind to get dulled. This is my third month as editor of this section, I do hope in the future that all members are welcome to send me their reports, they would most welcome and appreciated as I do need material from time to time. Now, Im taking it upon myself to ask all the members to give our Association all the assistance they can give, we do need your individual help. At present we are in great need of a mimeograph machine, any donation from each member would help towards buying one.... As our publisher has quit and he was using his own machine. Its your association and it up to you to help out in anyway possible, your EDITOR BIL EDDING is only one person, and he is devoting all his spare time to make the association a success. We are a young organization which is A non-profit. The money collected from dues wont even cover the cost of the mimeograph paper or for stencils. BILL EDDING has donated from his own pocket this should not be so. HELP ALL YOU CAN, 73s NICK

-FRIENDSHIP CORNER-

NORTH AMERICAN SHORTWAVE ASSOCIATION

Warren Anderson "Cardswaps" Editor 1424 Quince Street Brainerd, Minnesota  
 Dave Alessi "Reel Ramblings" Editor 2709 West 11th Street Erie, Pennsylvania  
 N A S A FRIENDSHIP CORNER Page 1 1963

++ CARD SWAPS ++  
 Warren D. Anderson, Editor

Sometime I'm going to surprise everybody and not make a mistake on the heading! Harvey Young has brought something to my attention. He says that a Czech swapper asked him if he could supply him with a Callbook that was newer than his 1958 one. It seems that the OM is/was using it as a place to get QTHs from the U.S.A. to use in his swapping activities. The Czech mentioned that he had only received a couple replies. I hope that none of you have been doing this is just a waste of money. Use only QTHs you get from swap sections or those that are given to you by fellow swappers.

I have been told by several swappers that Bill Lund of California wishes it known that he is no longer an active swapper. Pass the info on!!

Dick Ver Wayne tells me that Hector Davilla KP4PE1G will swap only if an SASE is enclosed (use 5 or 8 cents U.S.). He is in college now and needs to save every penny!

Congratulations are in order to several OMs. Neal Gregory has been given a contest section editorship in the OVS/C, and Bob Binau is now the card swap editor of the FSDXC which is really a moving club.

Earle Fisher ran out of cards so any of you who have received a late reply now have the reason.

Regarding those of you who swap tapes....don't send this info to me! Send this to Dave. I take care of photos, license plates, etc..

I strongly urge any of you who can qualify for the NASA swap awards to send in an application for the certificate. The certificates are lithographed (I think that's the name for it) and look better than the new PE monitor certificates. You're missing a beautiful certificate if you don't. The certificate is the same size as PE's so use a large envelope to have it sent in.

I have printed the contest results as of the first tabulation made by on John Harvey, CDXC editor. John left for an ROTC camp on June 14 and will be gone for six weeks. He didn't say whether or not to hold your reports until he gets back, but I am quite sure that it would be more convenient if you held your totals until he gets back. Standings as of May 1, 1963....

- |                        |         |                     |        |
|------------------------|---------|---------------------|--------|
| 1. Gregory, Oregon     | 115pts. | 5. Shinn, Manitoba  | 47pts. |
| 2. Bates, Ohio         | 84      | 6. Harvey, New York | 43     |
| 3. Anderson, Minnesota | 84      | 7. Little, Texas    | 39     |
| 4. Willis, Labrador    | 60      | 8. Stitt, Nebraska  | 24     |

Come on, let's have some more entrants! File this QTH: John Harvey, 4957 Creek Rd. Lewiston, New York.

Those of you who have an editorship in any club, in fact, all of you should read the article in the June CQ on editing a club bulletin. The article is written by W8SOU Ed Fensch and it is really some worthwhile reading.

COLORADO	WPE0AE	John Beaver, 1706 East 7th Street, Pueblo, Colorado	B+
CONNECTICUT	WPE1NM	John Kowaliewski, Route #1, Quaker Hill, Connecticut	+
FLORIDA	WPE4EOH	Louis Rappaport, 6091 S.W. 11th Street, Miami 44, Florida	+
ILLINOIS	WPE9IP	Bob Frey, 126 Stolting Road, Niles 48, Illinois	+
	WPE9ETU	Diane Nakulski, 5913 Winthrop, Chicago 40, Illinois	E
LOUISIANA	WPE5NM	Len Estorage, 5173 Marigny Street, New Orleans 22, La.	C+
MAINE	WPE1GL	Jon Stone, 17 Oak Street, Orono, Maine	+
MASSACHUSETTS	WPE1CH	Ernie Zecchini, 361A Hampshire, Lawrence, Massachusetts	+
MICHIGAN	WPE8FAO	Jeff Stover, 25274 Kildare Rd., Kildare, Michigan	B+
NEBRASKA	WPE0AXK	Sister Bertha Rose, Imh. Deac. Inst., Deaconess Home, Omaha, BC	