

NORTH AMERICAN SHORTWAVE ASSOCIATION



****T R E N D X****

Official Bulletin

VOL. II - N. 12-12/63

HEADQUARTERS

1521 Fifth Avenue

Altoona, Penna. 16602

"THE ART OF PEACE"

World-wide peace and peace in our own little worlds of home, family, community, club, depend upon all of us putting into action the art of peace.....

Peace is God on both sides of the table in a conference.

It is putting the power of goodwill to work.

It is sanity, maturity and common sense in human relationships.

It is open-mindedness; A willingness to listen as well as to speak. It is looking at both sides of a situation objectively.

It is patience. It means keeping our tempers and rising above petty irritation. It is counting to ten and avoiding hasty and impulsive decisions.

It is having courage and the humility to admit mistakes and to take the blame when we are wrong.

It is tact. (Tact has often been defined as the ability to pull the stinger of a bee without getting stung!)

It is vision. It is taking the long look. It is being willing to give up individual advantages for the common good.

It is straight thinking. It is recognizing that iron curtains and not metal, but MENTAL, and that they are woven of fear, hate, mistrust and prejudice.

It is a quality of the heart as well as the head. It is warmth; an enthusiasm, a magnetism that reaches out in understanding and love, unity and friendship.

It is a mighty faith in the goodness of God and the potential greatness of man.

TWO in ONE

NOMINATION NOTE

This edition of Trendx was to have been a special holiday edition, but things didn't turn out as we had hoped. What with the rapid turnover of section editors of late, Hdq finds it almost impossible to plan in advance. This issue then is a combination of two...the December and the January. It will allow time for appointing new section editors (OM whom we hope/trust will stick to the tasks) and give us time to regroup our forces here at Hdq. New bulletin sked is being set-up, new formats proposed. We ask, we need your understanding hereto.

Support "Unity and Friendship" and help NASA "Soar in 1964"!!!!

Seems quite evident that few members are interested in the future of the club! At least that is the impression we get here due the little number of nominations for executive editor and board of directors rec'd thus far. Only twelve ballots have been submitted to date! All that can be said is that if, in future, you don't find things (bulletinism, etc) to your personal liking, you have only yourself to blame. (I refer to those of you which have not taken part in the nominations!) You still have a chance to act however; You can vote in the upcoming election!

(Too many members fashion their actions after French bread.....one long loaf!)

Spirit of Christmas

An editorial by Bill Eddings-3BWL

The most contagious thing in the world is spirit of Christmas. It is something hard to define, but it is something very real. It draws mankind closer together in a bond of understanding and sympathy such as exists at no other season of the year.

Perhaps it is because most people are thinking for a time of ways in which to bring a measure of joy and happiness to others. The giving of gifts is a part of that thinking, but something far more important than that is transpiring. It is the outpouring of love and sympathy that accompanies the giving of gifts that seems to dominate mass thinking at this time. It is evident in the sympathy that is shown to a certain Russian girl and her two small children. The gifts she is so amazed at receiving are not prompted by any sympathy for the deed of her husband, the father of the children; They are expressions of sympathy for a stranger, an innocent victim of a tragedy, and for her children who are too young to know or to understand what has happened. There was a time and perhaps there still are places where these three innocents would have been subjected to extreme cruelty. The lesson however, of Christmas, has changed all that in this time and in this place.

The outpouring of gifts to the family of a slain patrolman is another evidence of the existence in this nation of many generous hearts moved by a powerful force to say we are sorry in a very practical way. To the recipients of the gifts it must seem to say there is a kindness that overwhelms the hatred that seems at times to have won an empty victory.

This is the spirit that will someday bring peace to all the world. It is a time when men forget their own grief and hurt and anger and seek to bring some measure of happiness to those whom they love and even to those whom they do not know. It is a time to forget past hatreds and slights and injuries and a time to remember all the many blessings we each of us have and share.

A world of perfect justice may never be attained, but there is still hope for a world in which mercy and kindness can rule. It is a time for men to reflect upon the futility of force and to recognize the power of good thoughts, good deeds. It is a time for a positive answer to that ancient question, "Am I my brother's keeper?"

If only the spirit of Christmas could, by some miracle, be extended throughout the world, throughout the years, surely mankind would benefit. Opening the strings of the purse moves a mountain of goods into the hands of those who can use them; Opening the strings of the heart might accomplish a similar miracle for a world that stands in need, can use just such a happening.

SEASON'S GREETINGS

RESOLVE TO MAKE "UNITY AND FRIENDSHIP" SOAR IN 1964!!

WELCOME!!! NEW MEMBERS

170 Margaret A. Fairless, 308 Valleyscent Avenue, Scotch Plains, New Jersey 07076. Special greetings always go out to the YL/XYL's who join us; Marge happens to be an XYL. She is a housewife, aged 26 and is new to the SWL ranks. Her DXing preference is the SWBC bands. She uses a Zenith TransOceanic as her rx which employs a whip ant. Marge heard about NASA via E.I.

171 Vincent A. Peri, Jr., 115-C6 120th Street, South Ozone Park, New York. Vince is sixteen, is interested in electronics, music and stamps; He speaks/writes Spanish es English. His shack equipment consists of a Lafayette HE-30, a Kuhn 353A-UHF rx and a tape recorder. His antenna is a 90' longwire 35' high. He came to us via E.I.

172 Fernando S. Fernandes/WPEZFSY, Webb Circle, Monroe, Connecticut 06468. Aged 28, Ferdie is a college man and is currently studying radio/TV engineering. He handles Spanish and Portuguese as well as English. Gear at his QTH is a Hallicrafters S-120, HeathKit Mohawk, Webcor taperecorder. His antenna is a 170' folded dipole made from 300 ohm twinlead wire. He too came to NASA via E.I.

173 Louis A. Stober/WPE700, 7305 S.W. Beveland Road, Tigard, Oregon 97223. This OM, a "Northwesterner" of 27, is a technical machinist. DXing the SWBC and the HamBands, he also is interested in amateur astronomy, stamps and coins. Equipment includes a National NC-190, Knight S-R, GMC mobile rx, Sandy recorder, Silvertone FM rx and a Sylvania TV set. His lists his antenna farm as: 2 Mosley SWL-7, 5 meter verticle, 96" whip. Louis also joined via E.I.

174 Tim C. Hartman/WPE0BJS, 1612 Addison Drive, St. Louis, Missouri 63137. A junior in highschool at 16, Tim is also a member of NRC and CIEF. He digs music as well as DXing the SWBC and MW bands. A National NC-60, a Q multiplier and a 50' longwire ant 10' high make up his equipment data. As above new members, he too joined via E.I.

175 R. David Kilborn/WPE9ABH, 2375 West Forest Avenue, Decatur, Illinois 62522. This OM, well known in various circles for his efforts as the Exec. Editor of the MDKSWPC, is 16 and in highschool; Is currently a member of NNRC, NRC, FSDXC and ASWLC. Dave lists writing, speleology (study of caves), outdoor life, reading, music and cars as other hobbies/interests in excess of SWling/DXing. (Ever do any "listening" in a cave OM?) Gear is made up of a Hammarlund HQ-180C, Knight R-100, Zenith T/O. Antennae are Mosley SWL- and RD-5, 15' longwire (indoor). Dave hopes to add a freq meter, tape recorder and preselector to his equipment list soon. Give Danny Dannels and, as Dave puts it, "various DX publications" credit for his joining NASA.

71 Larry Marshall/WPE0BIN, Box 291, Devils Lake, North Dakota. (Renewal!) Tis a vry special pleasure to welcome this OM back. One of the more staunch and sincere members, he has always taken part in club activities/affairs and we are now fortunate to have him as our new cardswap editor. Follow his column, support his efforts, help him to instill friendship throughout the hobby ranks...not just the cardswapping phase, but overall! His section can/will be expanded to uphold the true meaning behind its title!

NEW QRA/QTH's

Ernie McDermott
48 New Britain Ave
Unionville, Conn.

Peter Drew
84 Adelma Road, Nedlands
Dalkeith, West Australia

Ronald W. Geise
P.O. Box 221
Elkhorn, Wisc.

Soldat Paul Bassiri
B.A.C. 133
C.I. 3eme Section - lere Brigade
Ochey par Colombey-les-Belles
(Meurthe et Moselle) France

Liam R. Tully, 5A-9473
Aaron Block
Royal Air Force
El Aden, Lybia
B.F.P.O. 56

Bill Gardiner,
Exec. Editor,
American SWL Club
628 S. Jefferson
Perry, Florida

SUPPORT THE RADIO HOBBIES! UPHOLD "UNITY AND FRIENDSHIP"! HELP ALL CLUBS TO SUCCEED!

R U DUE?DONORS!!

The following OM are due for renewal as of this edition of Friendx: Harry Stout, Dave Knowlton, Neal Bates, Tom Bisphan, Rheel Lavvie. (Members who are due for renewal are usually sent a form letter a month in advance of expiration date. Final notice is then given here.) We realize all too well that not all former members will or want to renew...many of them have reasons such as dislike for club operations, the bulletins, disagreement with club policy. On the other hand, a number of OM loose interest in the SWL/DKing hobby, they take up other hobbies. Too some, who in past joined/belonged to an assortment of clubs, "cut down" and stick with only one. No club likes to see its older members leave, but neither should any club consider them "traitors" when they do.

RETURNED BULLETINS

The postoffice has returned certain issues of Friendx to hdb marked "Moved, Left no address", "Postage Due 8¢"...This means we have not been informed, by the member, of their new QTH; It also means the club has to pay 8¢ for the return of the bulletin. The amount isn't much, but it adds up. The OM now concerned are: Phil Flickinger, Dick Derrickson and Charles Curry. If any of you know their new/present QTH, please let hdb know it or inform these OM they can get bulletins by remitting the 8¢ to hdb w/ proper/new-present QTH. No bulletins will be resent/remailed unless member pays the "postage due" (except in cases where error was made by hdb in addressing bulletins!).

CERTIFICATES AWARDED!

Recent award winners in NASA include: Bill Stevens "SWBC-General", Rene Bilodeau "BCB-Southern Stater" and "Fifty-Fifty", Jonah Keffler "HamBand-Worldwide", John T. Arthur, Larry Marshall, Dick Little, Karen Anderson "Cardswap-Friendship"...Congrats and continued gud DX et al to you OM! Be proud to display your awards, they are FB proof that you are sincere in your hobby efforts and friendships.

1964 WITH

Order your new edition direct from hdb!!!!
(Do not send cash! Use check or PHO!!!!!!)

Here is the official, up-to-date list of all those who have donated to the mineo fund: John Arthur \$5, Mick Vrettos \$5, Joe Fela \$5, Frank Lendzioszek \$1, Dave Alessi \$2, Ted Templeton \$2, Walter Smart \$1, Jerry Sullivant \$1, Richard Little \$1, Paul Bassiri \$1, Larry Marshall \$5, Alan Herrington \$1, Ken Austin \$5, Hector J. Fressa \$5, Harvey Young \$1, Rudy Weik \$1, Lavoyd Kunev \$1; WPE \$10. Total \$53. Balance needed \$16.39. The following have pledged: John Ball, Bob Newhart, Doug Benson, Dorsey Wood, Rick Roll, Phil Fielding.

All donors receive an official receipt proving "investment". As stated in the October edition of Friendx, donors will be entitled to a refund should the time come when club cannot continue operation. And best I mention that if pledges are in excess of balance, excess will be used to purchase bulletin supplies such as paper, stencils, ink, etc. Any/all donations at any/all times will be used towards bulletin supplies!! Tnx!

SUGGESTIONS!!

Why not have an award given to members for "over and beyond the call of duty"? Vry few should be issued so that it be a "select" group. (L. Marshall)
How about cutting so much friendship/unity writings and stick more to the DX news, facts, data? (D. Benson)
Whatsay on a club telephone directory that contains the names, addresses and phone numbers of all members? (W. Smart)

FOR SALE

"I have a set of Clevite Brush hedfones for sale. Altho about 2 1/2 years old, they have been used vry little. With my crippled hands, I have difficulty in getting them on. They are complete with cushions. Original cost was about \$21; Anyone interested can make me an offer". Bill Stevens, 514 N. 2nd St., Jeanette, Pa.

WILL U HELP NASA "SOAR IN '64"?

HEADQUARTERS ANNOUNCES!!!

Resignations of Bob Newhart as SWBC Editor. Reasons given, "bulletins are not mailed out on regular sked and material has been delayed months in some cases". (As of this time, no new editor has been appointed. Since this particular section -SWBC- is one of importance, its! new editor will be chosen most carefully.)

Resignation of Dick Few as HamBand Editor. He states, "I will have to go QRT with the club due to lack of funds and also due to the fact that I am dropping most of my SWL activities". (Dick recently acquired his General and is now K3UFV!)

Appointment of Richard Little as new HamBand Editor. This OM is a versatile SWL/DXer and makes for a promising leader for this section. Too, he is sincere in his hobby efforts and can be relied on to give of his best. His first "go" will be in the next edition of Friendx. Support and help him build a good section!

Appointment of Larry Marshall as new Cardswap Editor in Friendship Corner. Known and respected for his friendliness and overall club activities in addition to his cardswap interests, Larry can be counted on to fulfill the wants/desires of all who follow this section. Lend him your support, help him promote friendship!

Apologies to Jack Keene and WMRC. Jack sent us data to be contained in Friendx; It was in connection with an intra-club competition involving WMRC, FSDXC and NASA. However, just at the time the data was to have been contained in Friendx, the "Roll QRM" came about and two editions of Friendx were not printed. Altho this could have been entered in a more recent issue, it would not have been fair to NASA members interested due to the time element. So please be informed that full data WILL BE contained in the Feb. Friendx and will pertain to the remaining competitions (Feb. 9 - 22 will involve freqs 7.0 to 7.5 mcs and 3.2 to 4.0 mcs. Mar. 8 - 21 will include freqs between 1300 and 1600 kcs) All you contest enthusiasts can look for a full page spread on this in next Friendx! FULL details will be given. Incidentally, these competitions are sponsored by WMRC. FSDXC and NASA are merely cooperating. (NASA, as above apology points out, is regretfully lax in its behalf, but will make amends.)

Immediate increase in oversea's membership fee to \$4.50 per year (for new members!) This is necessary due the fact all oversea's bulletins are now sent via first-class (surface) mail rather than as third-class (printed matter). Stateside dues may also be upped in near future. If/when so, will be absolutely necessary.

Correction on the new hdq QTH of the Canadian DX Club (CDXC).....It was listed wrong by WPE3BWL last month (da jerk!) This then is the correct and current CDXC QTH: Canadian DX Club, 17 Delano Place, Apt. 8, Scarborough, Ontario, Canada

Gratitude and sincere tnx to Walter Smart for his voluntary assistance with helping Dave Alessi prepare stencils used in the Reel Ramblings column of Friendship Corner. Walt was one of the two OM who answered our request some months ago when we asked for help in getting bulletins prepared. (The other OM was Nick Vrettos who is already doing far more than his share for the club/bulletins.)

Plaudits to the CDXC for their FB showing of "Unity and Friendship" re the tribute to the memory of our late president, John F. Kennedy. "Cadex" contained a full page fadal sketch that was a remarkable likeness. Canada and the U.S. have always been two closely related "friends" and what with the bonds between the CDXC and NASA, this FB relationship extends even moreso. If humble hobbmates can instill the want and need of unity and friendship, surely, in the future, worldly statesmen will "get the message".

Last Minute

REPORTS

NEWS

FACTS

DATA

Via DOUG BENSON.... "Noted on night of 12/20 from Radio Nederlands that it will drop the 9715 kc freq as of 12/27 for its xmsn to NA at 2130 GMT. Replacing it will be 7125. Therefore, winter programs will be on 7125/6085/6020 kcs."

De Headquarters..... Neal Gregory has renewed his membership for another year; Also has donated \$2.50 to mimeo fund..... Doug Benson fulfills his mimeo fund pledge by donating \$5.00..... John T. Arthur earns the SWBC "Twenty-Fiver" award..... The 1964 edition of the WRTM can be ordered from hdq at a savings of 50% to you! Be sure to remit via check or money-order... not cash!!!..... Walt Smart, the FB OM who cut the stencils for "Reel Ramblings" section (edited by our own Dave Alessi) sends his vry sincere apologies for errors he made at his first effort. (Think naught of it Walt, those of us who have been typing/cutting stencils for months are still making errors already yet. But go ahead and improve on yours, mebbe it will wake us older OM up! Too, if you show us up, we might "wise up"! Hi)..... Sure wish our SWBC section was supported and edited on par with our FB MW/BCB section by Steve Raiche and his DX followers! What we need at the helm thereto is another CMS or AB, or better yet one DJ!

Via ED SMITH.... "In a recent letter from Oscar Reyes/Cuba, the other day he says he would like help on finding plans for a deep fringe TV antenna, or a drawing, or even a used magazine on such antennas re how to build them. If any NASA member can/will oblige, here is Oscars address: Oscar Reyes/COZPENA, Carmen 277, Vibora, Havana, Cuba."

De DOUG BENSON... "Noted commentary in the November PE regarding lightning arrestors. Mentioned was the old venerable gap-type as one of the precautions to be taken. Perhaps there are some SWLs who are not aware of the disadvantages of such system. An "arrestor", of course, is nothing of the sort. It is simply a path of least resistance for draining off excess static charges. These charges, electrically opposite from the lightning charge, tend to attract it. An arrestor operates on the spark-gap principle much like that in a common sparkplug. When the built-up charge reaches a certain small voltage, the current arcs across the gap and is routed to earth. Simple and effective! However, you might do well to keep these DISadvantages in mind when you pay out the few pennies for that dime-store arrestor. The device will not arc at very low voltages, voltages which may severely damage your receiver antenna circuitry. The receiver is designed to accept immeasurably small voltages from the antenna, and not brute charges... small as it may seem to be. Also, the gap arrestor, owing to its construction, is dependent on the proximity of the opposing gaps to work properly. During temperature variations, or during humidity fluctuations, the physical correspondence of the two points will change, adversely affecting its operating potential. The

solution, though involving a bit more time and effort, is to use a heavy knife-type switch in the circuit between the antenna and the lead-in, with a groundwire in the circuit when the switch is closed. By the way, I wonder how many members have checked their Home Fire Insurance policy? I was surprised to learn that an outside antenna which has not been inspected by a competent electrician can void it....DB"

De TED TEEPLETON.... Some statistics from my files here: 131 BCB stations logged, 100 QSL'd. All continents logged, all QSL'd (SWBC) 25 countries hrd; 22 QSL'd. Radio South Africa finally QSL'd after 182 days (They are usually more prompt). Adis-Ababa and Radio Paris have not given a murmur QSL-wise to date. Any suggestions?

De EARLE FISHER.... "I'm not an active OM, as far as reporting goes, but I sure miss Frendy when it is late!"

De DAVE WHITE.... "I know I havent sent in any reports lately, but I'm a novice now, and I dont hear much DX on 80/40 cw. Hi!" (Wait till Dick Little hears this! Git yer houn'dawg after him OM.)

NORTH AMERICAN SHORTWAVE ASSOCIATION
*****-NASA-NEWSROOM-*****
on Luyster, Editor, Route 1, Flushing, Ohio 43737
Tom Cardullo, Asst., 117 Orchard Ave., Emerson, New Jersey*
*****-NASA-NEWSROOM-***** Page 1 Dec. 1963

It doesn't seem possible...but here it is December already..and we're just about ready to start going over the edge into another new year. I don't know about you...but here I sit wondering.. "Where did it all go???"...But maybe that's the normal reaction when you start getting old...Come January, I'll be a tottering twenty-three. Hi! ... Seems like just last week we were enjoying days of nice warm sunshine..now we pile on the blankets while the mercury is sliding down to a nightly (or almost so) temperature of zero degrees.. Well, enough of this idle chatter...best be getting on to the business at hand. ...Don't have many reports from the members this time..so I may do the section a little bit differently. I did want to say too that I've not been in the best of health since October...so if I owe you a long overdue letter or something...maybe an SWL card...hope you'll be kind enough to understand and be assured that I'll eventually be replying, God willing. At this time I want to wish you all the very best of everything for the coming new year...and to strengthen my hope that you all will be abiding by the club motto...and that even greater Motto.. "Do unto others as you would have others do unto you." The hobby of SWling and related activities have great potential for making things brighter and better for all those involved...it's up to us to take advantage of that potential and see that it's used to its greatest advantage. Remember these things as we enter 1964.....I'm sure you won't be sorry. Thanks!

DID YOU KNOW???...that Lorne Greene, starring as Ben Cartwright on the popular color TV program "Bonanza" was for many years chief radio newscaster on the Canadian Broadcasting Corp; and during World War II years was Canada's counterpart of the U.S.'s Edward R. Murrow and Elmer Davis. Further that he was one of Canada's pioneering TV producers?.....
...that for years full-fledged movie stars refused to make TV spot commercials. They felt it below their dignity. John Wayne was the first to break the ice with razor-blade commercials for Schick. Now other stars like Claudette Colbert, Barbara Stanwyck and Edward G. Robinson have jumped in with both feet. For a week's work or less, these stars receive \$75,000. Easy pickings. (Think I'd be ashamed to take it.-Ed.)

POCKET-SIZE LASER.....A laser of transistor radio size developed by the Raytheon Company shoots high-energy pencil rays of in visible infrared light in an extremely tight beam. The beam is so concentrated that at close range, it will permanently blind anyone looking directly into it. Operated on rechargeable mercury batteries, the portable laser will give off up to 50 "flashes" of one two-thousandths of a second in duration, without recharging. These can be detected by a photoamplifier-receiver up to 30 miles away. It is simple to operate and can be adjusted to provide a beam as narrow as two feet at 30 miles or as wide as desired. It would be valuable to downed airplane pilots or shipwrecked mariners as a signalling device. (de "Science Bulletin" via Executive Editor Bill Eddings.).....Also credit items in the "Did You Know" segment above to "Parade" newspaper magazine.

How about some news from YOU!? Now onto Page Two.....

****LANGUAGES BY RADIO.....Want to learn to speak Dutch? (As an old Dutchman myself, I advise it. Hi!)....If you do, why not tune the broadcast emanating from Radio Nederland on Sundays called "Dutch By Radio"? Either preceding or following Edward Startz' popular "Happy Station" show, the show is transmitted at the following times: at 0730-0750 GMT to Australia, New Zealand, & S.Asia.....at 1530-1550 GMT to the Middle and Far East, Africa, & Europe.....at 2030-2050 GMT to Europe and North America.....at 0130-0150 GMT to North America. The lessons are repeated on Wednesdays. The wavelengths are subject to change. Write for full details to: Radio Nederland, P.O. Box 222, Hilversum, Holland.

****Secondly, Radio Japan's language program--"Let's Speak Japanese"--- is transmitted for 15 minutes on Mondays and Thursdays. The latest schedule for this program is thus; to North America at 0015-0030 GMT on the 19 and 25 metre bands.....to North & Latin America at 0345-0400 GMT on the 16, 19, 25 & 31 metre bands.....to Hawaii at 0600-0615 GMT on the 19 and 25 metre bands...and to Australia and New Zealand at 1015-1030 GMT on the 19 & 25 metre bands. For exact frequency listings and a copy of the "Let's Speak Japanese" textbook, free of charge, write to Radio Japan, Tokyo, Japan. (Above info de R. Nederland and Japan B/C Corporation)

****HANDBOOK NOW READY....We've received information here at the Newsroom that the new 1964 World Radio Handbook is now off the presses and is ready for sale. This recognized reference used throughout the years by amateurs, SWL's, DX Clubs, TV-viewers and DXers, broadcasting stations, governments and all others interested in radio and television, has been called "as valuable and necessary as a dictionary in supplying detailed and authoritative information on broadcasting in every country in the world." Each annual edition contains about 260 pages. Those interested in securing copies should contact: World Publications, Lindorffsalle 1, Hellerup, Denmark or Gilfer Associates, P.O. Box 239, Park Ridge, New Jersey, U.S.A. and ask for further information.

****TALL TV TOWER IN PLACE.....The world's tallest man-made structure was completed two miles west of Blanchard, North Dakota during November, when a 113-foot TV antenna was set in place atop a 1,950-foot tower rising like a gigantic needle from flat prairie land. The combined height of tower and antenna, at 2,063 feet, exceeds by more than 300 feet the previous world record holder, a 1,751 foot TV tower near Knoxville, Tenn. ...Spokesman for Pembina Broadcasting Co. said the antenna will transmit a powerful signal 101 miles in every direction, taking in an area of 32,047 square miles. The company's Fargo station, KEND-TV, soon to be known as KTHI-TV, will be able to reach a half-million television viewers in eastern North Dakota as soon as the lofty antenna goes into operation. (de "Devils Lake Journal" via member Larry Marshall.)

.....Some might think the following more appropriate for November when we celebrated Thanksgiving...but personally I think it appropriate for any day of the year. ...These words of the Dean of the Andover Theological Seminary...."For how many flowers I have seen have I been really thankful? For how many songs I have heard, or hands I have clasped, or hills I have climbed? For how many houses that have sheltered me, or tasks that have challenged me, or loved ones who have forgiven me, Charles Lamb suggested saying grace on twenty other occasions in the course of his day besides his dinner. Should it not be twenty times twenty?"

***SCHOOLS ALLOTTED 31 CHANNELS BY FCC - The FCC has set aside 31 TV channels for transmitting educational programs to schools. Called the 'instructional television fixed service', the new plan will allow a central transmitter to serve scattered institutions and provides licensing of the facilities for transmission to schools and colleges. Under the new plan, it would also be permissible to send instructions to hospitals, clinics, industries, or nursing homes. (Credit Radio-Electronics)

***NEW TRANSMITTER FOR ELWA - ELWA is having a new 10 kw transmitter designed for use on the 90 meter band. The primary target is the Liberian tribespeople. Recently, the aged and greatly respected leader of the Gio tribe, of eastern Liberia, Chief Tausama, paid a visit to ELWA studios in Monrovia, and marveled at the new paved roads, the airplane, and the radio. By the way, Chief Tuasama has numerous wives and more than a hundred children. (de ELWA Radio News Bulletin)

***DID YOU KNOW? - Did you know that:

SEND IN
ANY/ALL
NEWS!

Short-wave listening is the favorite form of entertainment in the Soviet Union?

The communist government in China will allow one radio to each family, yet they discourage them from listening to foreign propaganda?

There are 30,000,000 registered short-wave receivers in Japan?

Japanese-made transistor radios are being sold by the millions in Asia and around the world, even among tribal peoples?

(Far East BC Co. de WPE3BWL)

***INTERGRAL CIRCUIT TYPE R.F. AMPLIFIER - A new thin-film R.F. amplifier has been developed by ITT. It is about the size of a half-stick of gum, whereas its electron tube counterpart is approximately 50 times as large. The new amplifier utilizes four transistors, twelve capacitors, sixteen resistors, and the associated wiring. It is constructed by depositing successive thin-film layer, each layer forming a new part of the circuit. (Credit Popular Electronics)

***LIGHTWEIGHT STEEL SHELL PROTECTS PICTURE TUBES - A new low cost implosion protection system has been announced by Corning Glass Co. A lightweight steel rim fits around the edges of the picture tube is the main feature of the new system. The steel rim is lined by a strip of gasket material, and after the assembly is positioned around the tube, a bonding resin is injected between the tube and the shell. There are several advantages to this system. First, if the tube breaks, the rim would hold the faceplate together long enough for the pressure to equalize, preventing a dangerous implosion. Second, with the rim, the necessity of an outer faceplate is absent, therefore eliminating the double images caused by having two reflecting surfaces. (Credit Radio-Electronics)

***DID YOU KNOW!?!? Nick N. Vrettos, NASA member, Editor of "Space World, is the trainer of the SAINTS basketball team at Fort Leonard Wood, Mo.? ...That Bill Eddings has won several trophies for his bowling?.....That Frank Lenzioszek is a "bronc buster"?.....(Send your "Did You Know" items to me direct! Tom.)

*** TUNNEL DIODE USED IN UHF TV CONVERTOR - Sony, for whom Leo Esaki invented the tunnel diode, has introduced the first commercial device utilizing the tunnel diode. A tiny uhf convertor has been developed for use in the 5½ inch transistorized Micro TV. It has a vertical slide rule dial, and three transistors as well as the tunnel diode. The adapter comes equipped with a special uhf antenna. (Credit R-E)

*** COMPUTER DISTINGUISHES COLORS - A new computer that can tell the difference between over 100,000,000 colors, including over 8,000,000 shades of red has been demonstrated by Toshiba Electric Co. of Japan. The new unit draws a spectral curve in about two minutes, and then calculates and classifies the result in a matter of seconds. (Credit Popular Electronics)

*** NEW SUPER-MAGNET - a small cylinder, 2 inches long by 2 inches in diameter, is the world's most powerful. The cylinder is wound of 600 feet of niobium-tin ribbon, 1/40 inch thick. A fantastically powerful magnetic field is developed in the small core of the coil. The coil is immersed in Liquid Helium at -456 degrees F. When a small current is passed through the superconductive coil, a tremendous field of 100,000 Gauss. (Credit Radio-Electronics)

*** NEW PUNCH-THROUGH TRANSISTOR - A new transistor that acts as its own circuit breaker by passing momentary surges of current without breaking down has been developed by the Army's Ft. Monmouth Research and Development laboratory. The device was made possible by redesigning the transistors base structure. It is claimed that the device can be incorporated in any transistor for increased reliability and usefulness. (Credit Popular Electronics)

*** NEWS BRIEFS - The reins of the American Short Wave Listeners Club have been shifted from James J. Howard to Bill Gardiner. A Board of Directors was elected by club voting. The board voted in some amendments to the club constitution and voted to up the dues to \$4. per year.

SEND IN
ANY/ALL
NEWS!

Denver's first pay-TV station started Oct. 3, original starting date, July 3 was altered at the stations request. The station is KCTO, channel 2.

The Voice of Morocco, it has been announced, is building two new 300 kw transmitters at Beli Mellal.

Thats it for another month. Please send in any news articles that you may find in newspaper, magazines or other sources.

73's and best of everything.

Tom Cardullo
Newsroom Co/Editor
117 Orchard St., Emerson, N.J.

BE A FRIENDLY DXer, HELP NASA "SOAR IN '64"!!!

NASA

SPACE WORLD

NICK N. VRETTOS

DEC 1963

WHEN WERE THE MOONS OF MARS DISCOVERED?

The year was 1877, and the two planets were at their closest. MARS and the earth were separated by only 35 million miles, and telescopes all over the world were trained on the red planet. Some astronomers were seeking to verify the famous canals, some wanted a close look at the polar caps and others Martian features. In Washington, Asaph Hall, spotted two small bodies orbiting above the surface of the planet. They were the tiny moons of MARS, named DEIMOS and PHOBOS. No one has spotted the midget planets before 86 years ago.

ORBITING SATELLITES:-(Courtesy of Doug Benson, WSNY, Newscenter USAF-"MISSILE and ROCKETS")

INJUN #3:-Launched 13 January 1962:-Freq:-136.868:-Transmits only uopn command from ground station, not during every orbit.

ARIEL:-Launched 26 April 1962:-A United States and British project.Freq:-136.046 mc/s.Was damaged by Nuclear Blast,

SPACE TV SERIES:-

"THE OUTER LIMITS"-A science Fiction series of 60 minutes films on TV. Check your TV GUIDE for time and channel.

MOON PROBE SERIES WILL BE ON TV.

(1) RANGER 4 Space craft(was slated to be launched last Oct) "unmanned" will make a "hard landing on the moon.Its payload will be 6 special television cameras and transmitters, which will snap a rapid series of still photos of the moons approach, during the last 50 miles from the moon. The crash impact on the lunar surface at 6,500 miles per hour.

(2)As up to date 3 Rangers spacecraft missions have survived launch.

(A) One hit the "DARK SIDE" of the moon.

(B) Two flew past the moon.

(C)Four others were failures.

(3)Four more RANGERS spacecraft will be launched late this year(Probably late this month) To make a "hard landing" on the moon.

(4)Six more RANGERS spacecraft to be launched probably in late 1964 or early 1965 To make a "soft landing"on the moon.

(5)The ranger spacecraft will be interspersed by flights by "SURVEYER ORBIT"Space-ship. The Surveyer will be a larger, more extended vehicle, capable of "Soft Land- ing" and moon orbit for long periods and gather a wide variety of information see- king:- physicl, electronic, magnetic, chemical, and even surface scratching of the moon.

(6)The NASA policy for immediate public sparing of its operation and findings will of the moon television photos, undoubtedly will be offered to the nation almost as soon as they are received via TV and newspapers.

FIRST GEMINI SPACECRAFT DELIVERED.

First flight rated "UNMANNED" Gemini spacecraft was delivered to Cape Canaveral on 4 Oct 1963 by the McDonnell Aircraft Co., in St Louis, Mo., which has the contract of building 12 more of the first flight Gemini spacecraft, at a cost of \$456,000,000. They employ 6000 personnel, who work directly or indirectly with building these spacecraft.

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GEMINI 2 MEN SPACECRAFT PROGRAM:*

Before the end of this year, probably this month:-Dec 1963, the first Gemini capsule UNMANNED, will be orbited around the earth. (ALOB SHOT) This will be the opening shot of the flight phase of "LEARNING TO WORK" in space. Part of this nations attack upon space travel and scientific-military investigation of the planets.

FUTURE SATELLITES LAUNCHINGS:-

"VELA HOTEL" Satellite:- (Yes thats the name that was given to this vehicle) Soon to be launched. Its altitude 50,000 miles. from earth. It is designed to pick up X-Rays and thus able to detect cladestine Soviet tests of nuclear weapons way out to 60,000,000 miles or more. The "VELA HOTEL" is costing around \$100,000,00.

NUCLEAR TEST BAN TREATY.

UNITED STATES, BRITAIN AND SOVIET RUSSIA -soon may come into an aggrement to bar orbiting of atomic armed satellites.

CO-OPERATION IN SPACE:

(1) A full time communications weather wire between Washington and Moscow, is planned in 1964. It will transmit cloud photos and other weather data from weather satellites launched and operated by each country. Joint use of meteorological satellites is part of the co-operation space aggrement made in 1962, between United States and Russia.

(2) ECHO 11 (135 ft sphere) to be launched in 1964. This is a joint research, by the United States and Russia. It will be a passive communication satellite. Experimental transmissions are planned via ECHO 11. Between the Zemenki Observatory, Gorky State University in Soviet and the Jordrell Bank Observatory, University of Manchester, England. The United States will use this hookup in communications between here and Britain.

(3) The third item in the U.S. and USSR program is a joint survey of the earths magnetic field. Each nation will launch a satellite, equipt to measure field strength at different altitude.

(4) In the co-operation in space between U.S. and USSR, Great Britain also enters with plans to launch a research satellite in joint with United States.

JOINT SATELLITE PROJECT:

Belgium and Nethernlands have agreed to participate in a Western European earth satellite project, with France, West Germany, Italy and Great Britain. The Satellite would be launched from a base in Australia.

DELEGATES TALK SATELLITE NET:

Delegates from 15 European nations met in London, England on 16 July 1963, to discuss how best to co-operate with United States in establishing a world wide satellite communication system. Taking part in the talks were:- Austria, Belgium, Britain, Denmark, France, Western Germany, Greece, Ireland, Italy, Luxemburg, The Nethernlands, Spain, Sweden, and Switzerland. Australia sent observers.

MANNER OF REPORTING.

All satellites launched by United States and Russia, must be reported to the UNITED NATION COMMITTEE on the PEACEFUL USE OF SPACE. The United States report each satellite into categories A, B, C, and D, having given the key to these indicators in its first report in March 1962. Soviet Russia on the other hand has no catigories just a few outlines in reporting each launching.

BEST SEASON WISHES TO ONE AND ALL- AND MAY YOUR HOLIDAYS BE HAPPY AND GAY**

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ASTRONAUTS NEWS.

The new director of the United States Moon Project is Dr. George A. Mueller who replaces D. Brainerd Holmes.

Astronaut John Glenn, has turned down a ONE MILLION DOLLAR job offer. (It was one of those jobs where you work for ten years and get paid for twenty years) John Glenn wants to remain with NASA and part take in the Gemini and Apollo space project.

MORE ON USSR LOST COSMONAUTS:

Rumors of Soviet cosmonauts lost in space have appeared numerous times in newspapers and magazines during the past five years. As most articles mention only a few incidents. A summary of all cases seems of interest. The accompanying chart shows the more authentic flights as gleaned from news media.

DATE	COSMONAUTS	COMMENTS
(1) 1957	A. Ledovsky	no data
(2) 2 Apr 1958	S. Schiborin	Few minutes
(3) Jan 1959	Andreit Mitrov	no data
(4) Feb 1959	Mirija Gromov	no data
(5) 15 May 1960	DUMMY?(or human)	no re-entry
(6) 16 Aug 1960	Unidentified	no re-entry
(7) Sept 1960	Unidentified	lost
(8) 27 Sept 1960	Unidentified	100 miles
(9) 11 Oct 1960	Piotr Dolgov	28 minutes
(10) 28 Nov 1960	Unidentified	75 minutes
(11) 13 Jan 1961	Unidentified	no data
(12) 2 Feb 1961	W. Zorodosky	38 minutes
(13) 7 Apr 1961	Serge llyushin	3 orbits
(14) 17 May 1961	Man & Woman	7 days-lost
(15) 14 Oct 1961	3 Cosmonauts	lost
(16) 15 Nov 1961	2 Cosmonauts	lost
(17) 16 Jan 1962	2 Cosmonauts	lost

The Russians admit that only six cosmonauts have been orbited and landed safely, however, other sources estimate that 12 to 18 cosmonauts have been lost.

(The above item was reported to FATE magazine by Cedric Giles of Carlstadt, N.J.)

EDITORS NOTE: The above item almost corresponds with my own research on this matter, and the well known magazine FATE, would not publish such items unless it was checked out by them on being authentic.

SPACE DICTIONARY

CELESTIAL MECHANICS: -The study of motion in space.

ATMOSPHERE: -The gigantic mass of air surrounding the earth, estimated to weigh 5 thousand million, million tons, resulting in a pressure of 15 pounds per square inches on earth's surface.

DOPPLER EFFECT: Change in frequency of sound waves or light waves from a moving body caused by a change in distance. As an example, the changing pitch in a train whistle as it approaches and passes a given point.

ECHO 1 - More on this "sphere" satellite. Though it is wrinkled and battered and only about half of its original size ECHO 1, is still capable to bounce radio signals - history was made on Aug 13, 1960, when Collins Radio Company, space tracking antenna at Cedar Rapids, Iowa and Richardson, Texas, locked ECHO 1, for the first time two way voice radio transmission via a man made satellite. At present ECHO 1 its apogee is 1152 miles and perigee 664 miles.

WOMEN IN SPACE:

Jeanette Piccard was the first American woman (at the age of 39) in the world to pilot a balloon. She lofted the balloon to 57,559 feet in 1934. This record has been unchallenged for over 30 years.

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OBJECT FOUND IN CANADA:

A 32 lbs object was found at a Ontario, Canada farm in Oct. 1963. Apparently is part of the COSMOS 111 research satellite, which was launched by USSR on 23 April 1962. A Canadian physicist Dr Charles Carmichael, associate professor of physics at the University of Western Ontario, said he believes the object was part of the Spudniks heat shield.

THE UNITED STATES ARMY pioneering efforts in missileery launched the FIRST free world satellite EXPLORER 1 on 31 January 1958, TIROS weather satellite also was launched by the U.S. ARMY.

SEVEN ASTRONAUTS RECEIVE COLLINS TROPHY:

On 10 Oct 1963, the seven astronauts of the Mercury Project were named joint winners of the ROBERT J. COLLIER TROPHY, this award was presented by President Kennedy to the seven astronauts. The trophy established in 1912, is presented annually for "THE GREATEST ACHIEVEMENT IN AERONAUTICS OR ASTRONAUTICS IN AMERICA, WITH RESPECT TO IMPROVE THE PERFORMANCE, EFFICIENCY OR SAFETY OF AIR SPACE VEHICLES". Last years winners were four principle X-15 test pilots. This trophy was established by the now defunct Colliers magazine and taken over by Look magazine.

NINE MEN PICKED FOR THE GEMINI TWO MAN PROJECT: These nine men are in constant training. In due time the world will herald their future making of history in space. They are: ELLIOT M. SEE Jr, NEIL A. ARMSTRONG, Maj. FRANK BORMAN, Capt. EDWARD H. WHITE 11, Lt. Cmdr. JAMES A. LOVELL Jr., Lt. Cmdr. JOHN W. YOUNG, Lt. CHARLES CONRAD Jr., Capt. JAMES A. McDIVITT and Capt. THOMAS P. STAFFORD.

LAST MINUTE SATELLITE REPORT:

VELA HOTEL (PROJECT 823) Will be soon or has been put into orbit in Oct. A full cloak of secrecy has been put on this one. The cloak of secrecy was explained by the Defence Dept., "That it was enforcing a policy established in March 1961, under which "MILITARY SPACE LAUNCHINGS ARE CLOSED TO NEW MEDIA". This will be a twin launching, boosted into space by ATLAS-AGENA rocket. The first two satellites will be experimental. FIVE LAUNCHINGS, each with the eventual goal of six operational satellites scanning all outer space.

LUNIK 11: Launched 12 Sept 1959 by USSR. It was sent towards the moon. It circled the moon sending back scientific information. The probe radio signals were received by the giant BRITISH radio antenna at JORDEL BANKS, and rebroadcast to the world during the last stages of the voyage. Million of listeners heard the signal suddenly stop as LUNIK 11 landed on the moon. It was a "hard landing" and the impact reduced the probe to a heap of wreckage.

LUNIK 111: Launched 4 Oct 1959: Approached the moon than passed behind it and than returned to earth. While passing the moon it took photos of the far side, which is never seen from earth. It traveled about two days to reach the moon.

USSR ANIMALS IN SPACE:

On 3 Nov 1957 USSR launched into orbit a dog, named "LAIKA". The dog survived approximately one week. His resting place is the wide open space.

GREETINGS AND SALUTATIONS FELLOW ASSOCIATES: The year 1963 is ending, and shortly 1964 will enter. A new era in space is upon us and much more achievements will be heralded by the UNITED STATES, the main event on traveling to the moon and other planets.

The news I have presented in my few columns is only the start, much more is to come. The members of NASA have the only known medium of real space facts thru SPACE WORLD. IN CLOSING may I WISH YOU ONE AND ALL THE BEST SEASON GREETINGS. See you all next year. Im on my way to cloud nine. 73's NICK N. VRETTOS. P.O. Box 217, Fort Leonard Wood, Mo.