

10-10 INTERNATIONAL

News

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Maunder Minimum by Al Mattis, N5AFV

With the many recent articles about sunspots and the beginning of Cycle 23, we have all heard about the Maunder Minimum. This period, which occurred from 1645 to 1715, was named after Walter Maunder, an English astronomer. The Period was characterized by the almost complete absence of sunspots. As we know, sunspots affect the propagation of high frequency radio waves. After Gary Sutcliffe, W9XT, read an article about the Maunder Minimum in the May 1992 issue of "Astronomy", he posted a comment in an amateur radio news group on the internet that stated if another Maunder Minimum "occurs at the end of this cycle, you can take down all your antennas for 20M and above unless you like VHF work - kind of a depressing thought." Even though radio had not yet been invented during the Maunder Minimum, nearly all amateur radio operators understand the effect that an almost total absence of sunspots for such a long period of time would have on radio communications.

The historical record contains evidence of the effects of the Maunder Minimum on phenomena other than the propagation of radio waves. The increased solar radiation associated with sunspots causes an increase in aurora borealis, commonly known as the northern lights. During the Maunder Minimum, there were no sightings of aurora borealis reported in London. In early 1716, historical records describe a marvelous display of aurora borealis in the London area. People reportedly stayed up all night to view the northern lights. This display of aurora borealis clearly indicated that the Maunder Minimum was over.

Historical records also provide evidence of climatic effects during the Maunder Minimum. The period was marked by colder temperatures, and in northern Europe this event has become known as the Little Ice Age. There is some evidence that extreme solar cycles may affect the earth's climate. However, a detailed study of the climate of southern Spain during the Maunder Minimum indicates the occurrence of a number of abnormal events such as floods and droughts, but does not confirm a definite relationship between climate and a minimum in solar activity. With the current political focus on global warming, scientists are examining possible relationships between solar activity and climate.

One group of scientists studying the Maunder Minimum theorize that the diameter and the rate of rotation of the sun has changed. These scientists believe that during the Maunder Minimum, the diameter of the sun was larger, and its rotation was slower than today. The astronomical telescope was invented in 1609, and this theory is based on observations recorded by astronomers during the Maunder Minimum. There is some disagreement about whether the sun is continually shrinking or whether its size and rate of rotation change in a cyclic manner.

In an attempt to learn more about phenomenon like the Maunder Minimum, other scientists have been studying stars that are similar to the sun in age, mass and activity. It appears that 25% of the stars surveyed could be in a Maunder-like state. Therefore, these scientists argue, the sun might spend approximately 25% of its time in a Maunder-like state. Unfortunately, this research is based on records from 30 years of observation, and data from a much longer time period are needed to draw any definite conclusions.

Most amateur radio operators are interested in predictions regarding the level of solar activity another Maunder-like period.

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AWARD MANAGERS..... Listed on page 30

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MEMBERSHIP INFORMATION..... Listed on page 31

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**DEADLINE FOR NEXT ISSUE
MAY 20, 1998**

Each paid-up member receives a copy. This is an independent publication. Permission to reprint is hereby granted, providing suitable credit is shown.

News items should be sent to the Editor. Technical articles and information on all 10-meter activities or news are welcome and solicited. All copy submitted must be typed, sent on computer disk or via E-mail. Suitable formats will be provided upon request.

Photographs are encouraged. Black and White or Color are acceptable. Include complete information on the back of each photo. Attach a label or other suitable paper to the back of the photo and write all information on the label, not the photo.

10-10 Chapter activities and reports should be sent to the



Member
**AMATEUR RADIO
NEWS SERVICE**

10-10 NET CONTROL STATIONS ALL NETS BEGIN AT 1800Z

Monday (28.380)..... Dick, K6PZE #1341
 Monday (28.800)..... Harold "Scotty" Scott, WA6TQC #71
 Tuesday (28.380)..... Russ, N5EJS #1525
 Tuesday (28.800)..... Don, KB6QLC #42822
 Wednesday (28.380)..... Christine, N7PVL #58018
 Wednesday (28.800)..... Louise, N6ELK #36654
 Thursday (28.380)..... Bill, AA6ZW #62075
 Thursday (28.800)..... Carl, NU6V # 67317
 Friday (28.380)..... Jimmy, AE4NA #66957
 Friday (28.800)..... Sherm, K6PTF #17977
 Saturday (28.380)..... Ed, KC4RIY #58203
 Saturday (28.800)..... Al, W6RNX #92
 Sunday..... "NEVER ON SUNDAY"

President's Message

Tom Henderson
K4CIH #33233

Now and then we are seeing a few band openings, but it seems not to cooperate for the QSO Parties. During the February party nothing but static on Saturday, but a lively time Sunday between 8AM and 10AM CST. I sure hope the rest made some contacts. Things have to get better.

Election Year: This is the year that we elect Directors (5), President, Vice President and Secretary. I am running for President again and I would, of course, appreciate your vote. The ballots will be mailed to all members who show "paid up dues" as of that date. Please take time to really read about the candidates and select those you believe will be the best person for the position. We have included the short biographies again in this issue so all may have another chance to read about the candidates.

Since the inception of the membership electing the officers and directors, we have been most fortunate to have good qualified people elected. 10-10 is growing and becoming more and more member service oriented. We are trying to bring all the information concerning 10-10 to the members via brochures, the web page (<http://list-serv.lehigh.EDU/lists/TenTen-L/>) and any other suggested avenue. Our major concern is to have the membership aware of the workings of the organization. An Operations policies and procedures manual has been produced and is available for a small fee. This manual covers all aspects of 10-10. All officers and board members are at your pleasure to answer any questions you have concerning the many areas of 10-10. During my tenure as president many changes have been made for the benefit of the membership. Shortly our database will be available from our web site along with all the other information pertinent to the organization. We are presently working on an award brochure, which should be available in mid summer, this like the

information and QSO Party brochure will be sent to all new members and will be available from our information manager. Remember when requesting information or materials please include enough postage for return and a mailing label would also be a great help.

Speaking of our web site, I do wish people would please answer some of what may be considered negative, directly to the person they wish to reach. If you disagree with someone, please do so directly. Let's use the web for the purpose intended, information passing. I have received many complaints concerning "flaming" on the digest. Please stop, so drastic measures need not be implemented.

The annual Board Meeting will be held in Houston, Texas Saturday June 13th, at the Hobby Airport Ramada Inn. There will be a hospitality hour following the meeting and all that can come are invited. We wish to thank N5MT Mike Davidson for making the arrangements. June is also the time for the Hill Country gathering and those wishing to come can contact K5CC for the time and place. You will find further information in the Hear Ye portion of this issue.

Once again I wish to thank all of you who have made generous donations to our scholarship fund. For the sake of those who do not know about this, 10-10 sponsors four \$1000.00 scholarships each year. Information concerning our scholarship fund may be obtained from Morrie Goldman W6EHM #4189. Morrie's address is on page two of the News.

More good news – The 1999 10-10 Interna-

(Continued on page 4)

INDEX

An-Ten-Ten-as.....	8	Presidents Message.....	3
Award Information.....	30	Reflections.....	20
Awards	22	Scholarship Honor Roll ..	16
Information	30	Silent Keys	17
QSO Party Calendar.....	6	Spotlight	19
Chapter News.....	14	Sunspots	29
Candidate Bios	5	Treasurers Report.....	21
DX News	12	W6OI on the Air.....	5
Editors Desk	4		
Internet Update.....	27		
Membership Info.....	30		
Mode Called CW.....	11		
New Life Members.....	21		
Net News.....	28		
QSO Party results.....	24		
.....	25		

Presidents Message

ional Net, Inc. convention site has been selected, Oak Ridge TN, at the Garden Plaza Hotel. Dates are June 11/12/13, 1999. More will be available concerning the convention soon, but mark your calendar and make plans to attend.

That is all from this corner, and I am wishing for an open band. Anyone else have the same wish?

from the Editor's Desk Linda Barnes

Well it appears that spring has come to Tennessee at last. I am going to be optimistic and say that we will have no more snow, but I am also not going to hold my breath either. I have an aversion to turning blue around the gills.

The band has been somewhat cooperative. Hopefully this trend will continue and propagation will continue to improve. I have worked the west coast for the first time in two years, but still have not heard Europe from this qth.

I don't have great deal to say at this point in time, if you can believe that. I do want to thank everyone for their support, and I am working hard at making the News something that Ten Ten can be proud of. I do find that it is coming easier and easier with time. I guess the key is to have patience. Sometimes that is in short supply as I get frustrated and want it done yesterday. This occurs when I make mistakes and have to figure out what I did and how to correct it. When I can't figure it out, I have a delete key that I know how to make good use of. There is nothing like going back to square one.

I plan to attend Dayton this year and hope to see many of you there. Also I hope that a number of you in the Houston, TX area can come visit with us at the forum after our board meeting. If not, then the convention is next year in my backyard practically. I look forward to seeing you all in the near future.

Maunder Minimum

(continued from page 1)

that will occur during Cycle 23. A number of scientists involved in research on the Maunder Minimum believe that we may be approaching another Maunder-like period. They predict that either we will have a strong Cycle 23 followed by a Maunder-like period or that both Cycles 23 and 24 will be weak. Other scientists, however, call for a continuation of regular and steady solar cycles. Even today there is disagreement about when Cycle 23 actually began. The difficulty identifying the end of Cycle 22 and the onset of Cycle 23 certainly illustrates the uncertainty scientists face in predicting the solar cycles. The bottom line is that no one knows what the level of solar activity will be during Cycle 23.

In Memorium

The other half of the world famous Colvin DXpedition team, Iris Colvin, W6QL of Richmond, CA became a silent key on 18 February at her home. She was 83. Iris Colvin was first licensed in 1945 as W6DOD. She and her late husband, Lloyd, W6KG travelled the world between the 1960's and the early 1990's, operating from more than 100 rare DXCC countries. Lloyd died in 1993. The couple had been married for 55 years.

Both Lloyd and Iris were active 10-10 members giving out their numbers from many of the rare DX countries they visited. Lloyd's 10-10 number was 21227 and Iris' number was 21226. The Colvins racked up more than a million contacts over the years and amassed one of the largest QSL collections in the world - more than a half million cards at last count. The collection is said to have occupied an entire room in the Colvin's home.

Ten Ten is indeed fortunate to have had fine people like the Colvins as members of our organization. Their travels to DX countries will forever be remembered, and they will be difficult to replace both as members and as DX operators.

Thank you to the ARRL for providing this information.

submitted by Chuck Imsande, W6YLJ

NEED AN FCC FORM 610?

10-10 WILL SEND YOU ONE AT NO CHARGE

Send your request to the Information Mgr. address page 2

Tom Henderson

Tom, K4CIH # 33233, is a candidate for President. He is an incumbent. He was born in Kane, PA, and later moved to Woodbury, NJ, where he graduated from high school. Tom enlisted in the US Navy in 1953 and in the Air Force in 1957, where he was schooled in electronics, and became a licensed General class amateur while there. He left the Air Force to attend Spring Garden Institute of Technology to pursue a degree in Electronic Technology. After working at various electrical and electronic positions, Tom became an aide at the Montgomery Fire Department. Through this he became interested in nursing, and entered nursing school in 1970 on a scholarship from a local hospital. Upon becoming a registered Nurse, he worked in the critical care and trauma fields. He was promoted to and worked as Hospital Nursing Supervisor. In 1980 Tom accepted a commission in the US army, retiring as a Major in 1996.

In amateur radio, Tom has been instrumental in the formation of the Druid City Chapter and the Broken Hearts Chapter of Ten Ten. He has served as President, Director, 4th Area Call Manager, Member of the Communications Committee, Temporary 1000+ Bar Manager, Temporary DX Countries Manager, and President of Ten Ten. He also produces the award certificates for the QSO Party winners. Tom states, "It has been and will remain my goal to provide the best services we can to the membership; to continue as a family and social organization; to share our combined resources toward the education of young people to assist, teach, and propagate the ideals of Amateur Radio."

Linda Barnes

Linda, KJ4FM, # 43299, is a candidate for President. She was born and reared in Tennessee. She graduated from Dobyns-Bennett High School and pursued her college education at East Tennessee State University. She holds a Bachelor of Science, Master of Education and an Associate's Degree in Accounting.

Linda is the wife of Bill Barnes, and the mother of four children, three of which are living. In addition she has two beautiful granddaughters KellieAnne and Keely, two lovable dogs Bruno and Rusty, and two sweet cats Pooky and Cuddles and five aquariums ranging in size from 75 gallons to 20 gallons. Life is interesting around the Barnes household.

Linda became interested in amateur radio in the late 70's. She was licensed as a novice in 1977 and today holds an extra class license which she received in 1990. She has always loved 10 meters and became active in Ten Ten shortly after being granted a general class license. She has served Ten Ten in many capacities. She has served as Director since the inception of the Board of Directors, Chairman of the Communications Committee, Chairman of the Membership Committee, Editor of the Official Ten Ten Guide and monthly updates, and currently is serving as Editor of the Ten Ten News.

Linda feels that her experience and work done as a Director have given her great insight into the workings of Ten Ten. If elected as President, she will continue to work toward the betterment of Ten Ten, giving our membership to their questions, providing the best member benefits possible, and ensuring that 10-10 will continue to be an international, multi-faceted organization that will be a credit to society and amateur radio in the coming years.

Chuck Imsande

Chuck, W6YLJ # 19636, is a candidate for Vice President. He is currently serving as Vice President and Chairman of the Business and Finance Committee. He also holds the position of Public Relations (PR) Manager. In this position he has developed the 10-10 Forum slide program that can be used by others at ham conventions, radio club meetings, etc.

He was first licensed in 1946 and at present holds an Advanced Class license. He became a member of 10-10 in 1978. Chuck has served 10-10 in many different capacities. He has served as a Director, PR Manager, and Editor of the News for five years (1992-1997). He developed the following awards: Continents award, Counties award, State Capital award, and the Prefix award. He formalized and made the OM/XYL Certificate an official 10-10 award. In addition he has been instrumental in establishing many of the current 10-10 policies and procedures.

Chuck says, "It would be my privilege to continue as the 10-10 Vice President. I will continue to work for improvements in 10-10 including, among other things, the activation of additional membership services. It is my desire to see 10-10 into the 21st century by adopting up-to-date and modern technology."

Mel Sojka

Mel, KD5DE # 33513, is a candidate for Vice president. He has been married for 31 years and has 4 children and 5 grandchildren. He has a combined military (active and reserve) of 32 years. He has been involved with electronics in one form or another for the past 31 years. He has been the owner of Data Research and Consultation for the past 10 years and co-owner of NWLA.COM for the past 4 years. He has worked in robotics, industrial automation and networking. He also worked as a commercial radio tech for a short period of time. He currently serves as a Certified Data Professional, network consultant, Linux administrator, and as an Internet Service Provider.

Mel says, "As the founder of the Ten-Ten Convention and one of the co-authors of the Ten-Ten democratic policies, I am convinced that as an organization we need to make every effort to activate our membership. Since I became a member in 1981, and a life member in 1987, I have seen tremendous change within the net and amateur radio itself. The challenges that face the amateur radio community after the year 2000 will be quite different than of past experience. As one of the largest amateur groups Ten-Ten must become aggressive in the use of the total ten meter band and not just the Novice enhancement portion. I feel that it would not be in our best interest if the ten meter band was reduced to the first 500 kHz."

Dave Prichard

Dave, KA5OVO # 37297, is running for the position of Secretary. He is at present serving as secretary and has served in that position for the past 3 years. Dave is a life member and has served ten of the last thirteen years as a volunteer in different capacities. He has served as a

(Continued on page 6)

(Continued from page 5)

Director, Supply Manager, Chapter Coordinator, and Editor/Publisher of the 10-10 Awards Guide and Monthly Updates. Dave also serves as the CH/CM of the Doll Chasers Chapter. Dave brings much experience as Secretary, having served not only Ten-Ten in that capacity but the Jaycees and Lions Club.

Ed Redwine

Ed, K5ERJ # 11843, is a candidate for Director. He is serving presently as Director and Chairman of the Operations Committee. Ed writes, "Ten-Ten has come a long way in the past six or seven years. We now have an excellent board that works as a cohesive unit. I would like to see the good work continue and to remain a part of it."

"As chairman of the Operations Committee over the past three years, we have seen new additions to our Awards program, and a new contest added. Somehow, we have managed to keep good people working in the volunteer positions on your behalf."

"All this just doesn't happen. It takes time, effort and dedication to one of the finest groups of amateurs in the entire amateur radio spectrum. I sincerely appreciate the trust, support and loyalty shown by all those I have dealt with during my tenure as your Director. With your help (and vote) I can continue to serve you and Ten-Ten into the next millennium."

Bob Ryan

Bob, K6YVG # 18022, is running for Director. Bob states, "As an incumbent member of the Board of Directors for Ten-Ten International, I feel very fortunate to have worked with some of the brightest and best slate of officers an organization could have. A dedicated group from which I have learned much and would like to apply this acquired knowledge toward four more years as your Board member. I am very proud of the accomplishments of our staff over the past term, and would like to help add to them in the future. Other capacities that I serve in include Corporate Secretary, and writer of the "Featured Station" column. "Some background, a retired Electronic Maintenance and Engineering research technician and Maintenance Supervisor. I have served on the employees recreation club Board of Directors for Librascope and Lockheed Aircraft Corp. Licensed in April 1957, I joined Ten-Ten in 1977. I am also a member of QCWA #22079."

"If re-elected I will work on the "Operations Committee" to further add to their membership benefits. Your vote would be appreciated."

Bob Peschka

Bob, K7QXG # 5956, is running for Director. He says, "I served four years with the USMC, and in 1957 entered Portland State College studying electronics. Since 1959 I have continued my interest and studies in electronics, both formally and informally. I was first licensed as a Novice, KN7QXG in 1961. "I have been a 10-10 member since September 1972, and have been the Bar Award manager for 1 1/2 years. I am a co-founder of the Oregon Chapter of QRP, and a former certificate manager for the Oregon Counties Award. I was a member of the first Oregon Counties Expedition team in 1964. I am a former Chapter

Head of the City of Roses Chapter of 10-10.

"I attend ham events and meetings, including a visit to the AII chapter in Hawaii in 1997, and two trips to the Hill Country Gathering in Bulverde, TX. I am a published author - *World Radio* and *QST*, as well as numerous newsletter publications.

In my professional life I was a Police Lieutenant and a court recognized expert on fraudulent documents. By virtue of these roles I have extensive management and staff project experience.

"I wish to offer the 10-10 organization the use of my management and technical skills."

Jim Whittlesey

Jim, KC4RHW # 57051 is a candidate for Director and says, "My age is 65, and I am retired on disability. I have been in amateur radio since 1960 and have been a member of 10-10 since that time.

"I believe that we all should work together to better amateur radio and 10-10. We should also work to advance 10-10 to all countries and help them work with the organizations of those countries help them understand what 10-10 is all about.

"I have served as President, Vice President, and Field Day Chairman of the Oak Ridge Amateur Radio Club in Oak Ridge, Tennessee."

Jerry Heien

Jerry, N9AVY # 43313, is also running for Director and his first interest in ham radio began in 8th grade when a couple of classmates had received their licenses and began tapping out Morse code with their pencils. Due to problems learning the code, it was 18 years later before he got his license. However, during the interim, he busied himself with short-wave and became a SWL. A position opened up for Editor of the Newark (NJ) News Radio Club Amateur Radio Section. He pursued this and eventually moved on to start his own SWL publication called *SWL Spectrum*. This was a 25 page, bi-weekly magazine that eventually folded after 6 months due to lack of financial resources.

In 1977, Jerry managed to learn Morse code and was licensed as WD9HQQ. In the next two years, he upgraded to Advanced. In 1978, Jerry helped found the McHenry County Wireless Association along with two other hams. The club is still going strong today and took first place in Field Day category 3A. Jerry served as the first Treasurer and Newsletter editor. Jerry found 10 meters and got his 10-10 number in 1987. He discovered paperchasing and began building his "list". The 10-10 experience was very positive; in fact, it was so much so that he volunteered to assist the Milwaukee Chapter with the 1988 10-10 Convention. Somewhere around that time Jerry also took on duties as CH for the now defunct NITT Chapter.

In 1991 he went off the air due to a move into an apartment where antennas were prohibited. He has since move into a house where antennas are allowed and is now active on 10 meters.

Brad Kimble

Brad Kimble, WA4KUP, writes, "I am 36 years old and married to Loreen, KC6MJO, for the past 11 years. I joined the Air Force in 1980, and am currently active in the Air Force Reserve and have been for over 16 years. I am currently in the Personnel career field and have previously worked as a training consultant.

(continued on page 7)

Candidate Bios cont'd

(continued from page 6)

Licensed since 1975, I have been involved in ARES, message traffic handling, and net control station for various nets over the years, and am a current member of ARRL. A member of 10-10 since 1990, I am an avid paperchaser and Certificate Manager of the Twin Cities chapter. Recently selected to write the Paperchasers Personality column for the quarterly 10-10 News. I am very interested in the operations of 10-10 and hope if elected to become part of the Operations Committee. Being involved in 10-10 with my wife Loreen, I am a supporter of 10-10 being family oriented and also believe that all aspects of the general membership need to come first.

Benny Wooten

Benny, KC4SDU, holds an extra class license. He lives in Boaz, Alabama, where he graduated high school before going on to Gadsden Business College. He is retired after some 30 years of retail sales and the owner of Benny's All American Furniture Company.

Benny is the CH and CM of the Eagle Watch and the Wildflowers chapters of 10-10. He can be found on 10 meters when there is propagation. He received an ARRL recognition for Public Service for helping during Hurricane Opal in 1995 and the North Alabama Severe Weather (tornadoes).

Benny says, "I would greatly appreciate your support and vote in the upcoming election for Director. I feel that from time to time we need people or members of 10-10 who are closer to the action so to speak, and who have the time to devote to the betterment of 10-10 and amateur radio.

Rex Holford

Rex Holford, K0NO, is a candidate for Director. He was born and raised in Council Bluffs, Iowa. Upon graduating from high school, Rex entered the Army. He is retired from the Army and is now working for the Post Office in Council Bluffs.

He was licensed in 1978 while stationed in San Antonio, Texas. With 90 days of getting his novice license he upgraded to general. This is when he found 10-10 with the help of WA5JDU. He also found paperchasing at this time. While serving in Germany with the call DA2RX, he acted as a net control and also kept up with things going on in the States. He also obtained his college degree while in Germany.

Rex has served 10-10 in several capacities. He was the Chairman of the 1997 Convention in Council Bluffs, and has since been appointed to the Planning Committee which is in charge of the conventions. Being Chairman of the convention has given him greater insight to the workings of the organization. Rex says, "I wish to serve as a part of the fine group of members as one of your Directors. With my past experience and knowledge of the inner workings of Ten-Ten, I feel I can be of assistance in the future planning and involvement of the best Amateur Radio Organization we have."

David Smith

Dave, K6RDK (ex WB6RDK) is a candidate for Director. Dave is a resident of San Mateo, California. He holds an advanced class license and has been a member of 10-10 since 1994. He is employed by Telecom Tech.

Dave is presently serving as Chapter Coordinator and also is responsible for the monthly updates of chapter news. In addition he is CM for the Bay Area chapter of 10-10. In addition, he is a member of ARRL.

QSO PARTY CALENDAR

★ Spring (CW) May 2-3, 1998

★ Log postmark deadline - May 18, 1998

★ Scoring Chapter - Possum Trot Chapter

★ c/o William Kelchner, KU4W

★ 9946 Rockfish Road

★ Raeford, NC 28376-7036

★ Summer (Phone) August 1-2, 1998

★ Log postmark deadline - August 17, 1998

★ Scoring Chapter - Brooklyn Bridge

★ (Details will be forthcoming)

★ 10-10 Day Sprint October 10, 1998 (one day only)

★ Log postmark deadline - October 26, 1998

★ Scoring Chapter - TBA

★ Fall (CW) October 31 - November 1, 1998

★ Log postmark deadline - Nov. 16, 1998

★ Scoring Chapter - TBA

★ All 10-10 QSO parties begin at 0001 UTC on
★ the first listed date and close at 2400 UTC on
★ the second listed date. The 10-10 Day sprint
★ is, of course, a one day contest.

Official 10-10 Badge

Order your official 10-10 Badge from the Sign Man of Baton Rouge, Rick Pourciau, NV5A #49338, 10-10's official badge maker. Cost is \$8.50 post paid. Send Rick the following: Call Sign, Name to appear on badge, 10-10 #, City and State. Colors: Green for regular members, Orange for life members and Pink for YL members. Send your order to: Rick Pourciau, NV5A, 879 Castle Kirk Drive, Baton Rouge, LA 70808-6020. Allow 2 weeks for delivery.

An-Ten-Ten-nas

L.B. Cebik
W4RNL, 41159

In each issue of the *News*, we shall try to clarify a significant cluster of ideas used in antenna work. Our object is to help you make the best decisions about the antenna you buy or build with out imposing our own prejudices on you. The more you understand, the better your choices will

In a past episode, I described one of the simplest 2-element Yagis I have encountered. For those who would like a little more gain and a better front-to-back ratio, I want to describe a simple 3-element Yagi. Like the other beam, this one comes from Bill Orr, W6SAI, from his column in *Ham Radio* for May, 1990.

This beam has two essential items for the casual home builder. First, the antenna has a 50-ohm feedpoint impedance with a wide SWR bandwidth. In fact, the SWR stays below 1.4:1 up and beyond 29 MHz when the antenna is modeled for 28.5 MHz. Second, the characteristics (gain, front-to-back ratio) are almost constant for the entire first MHz of 10 meters. The gain ranges from 12.3 to 12.5 dBi, while the front-to-back ratio remains better than 18 dB across the band. Figure 1 is an azimuth plot of the antenna taken every quarter MHz from 28 to 29 MHz at a 35' height. The differences from one line to another are too small to make any difference at all.

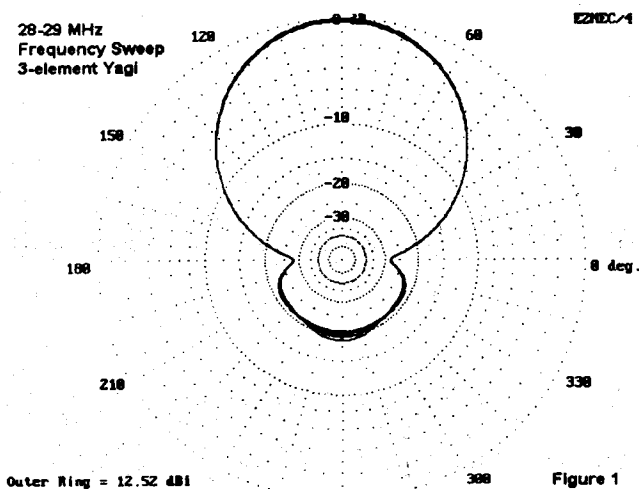


Figure 1

For these benefits, there is a price to pay: lower gain. From a 3-element Yagi on a 12' boom, one can squeeze out another dB of forward gain and improve the front-to-back ratio by a couple more dB. However, these beams have two disadvantages for the home builder. First, they have a narrower bandwidth where these properties show up. Beyond certain frequency limits, the pattern begins to deteriorate. Second, the feedpoint impedance tends to be very much lower—in the 20-25 ohm range. The lower feedpoint impedance requires a matching network. Although adjusting matching networks can become routine, the process can take the pleasure out building one's first beam that works.

Let's go ahead and build one of these wide-band specials. First, we need some dimensions. Figure 2 supplies the data.

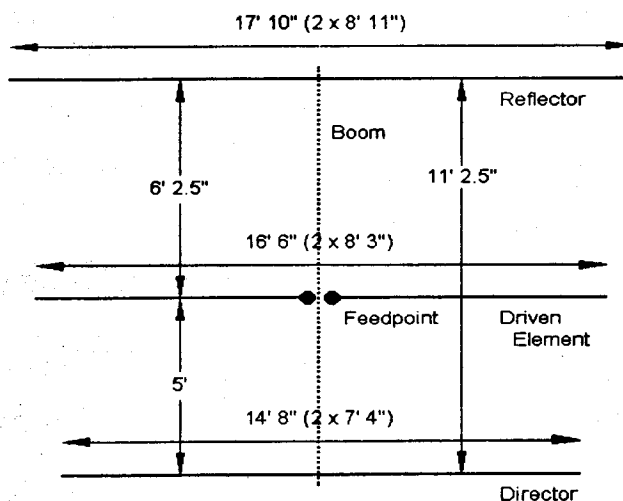


Figure 2 Dimensions of the 3-element wide-band Yagi

For 10-meters and simple installations, hardware store tubing is convenient and accessible. 1" aluminum tubing comes in 8' sections at most hardware depots. You will need 6 pieces, plus a shorter length of 7/8" tubing. You will also need a boom 12' long. One trick I have used is to take two pieces of 6' long 1.5" diameter aluminum tubing and lay them end to end. Now take two lengths of 1 3/8" tubing (or 1.25" if the larger tube is not available). Cut one smaller tube size length in half. Slide 3' of the 6' length of the smaller tubing inside one end of the larger tubing and fasten with stainless steel sheet metal screws. Slide the other piece of large tubing over the exposed 3' of smaller tubing, and fasten. Now slide the 3' lengths of the smaller tubing inside each end of the 12' boom, and fasten (but in such a way as not to interfere with the element mounting to come). We now have a 12' boom adequate for this simple beam.

(continued on page 9)

An-Ten-Ten-nas

(Continued from page 8)

Now make up 3/8" plywood plates about 6" wide and 3' long. coat them well against the weather. You can taper the pieces outward from the center to save a few ounces of weight. Find stainless steel U-bolts that go around the boom and around the elements. Let the plates go below the boom, and the element go below the plates.

Notice that two of the elements require aluminum pieces that are longer than the twin 8' sections of tubing we bought. Likewise, from the director, we shall cut off short section of tubing. Save them. For the reflector, set the tubes to the required extension. Take a 3' length of the 7/8" diameter tube and slide it inside one of the 1" diameter elements and fasten with sheet metal screws. Now slide either or both pieces of remnant director tubes over the 7/8" tube and position them so that they fit under the inner U-bolts. Again, fasten them to the 7/8" tube with screws. Now slide on the other 8' reflector section and fasten. The short segments of exposed 7/8" tubing will make no significant difference to antenna performance. (If you are a perfectionist, you can purchase one extra section of 1" tubing to make the reflector 1" in diameter for its entire length.)

Since the director only requires trimming to specification and mounting with a pair of U bolts on each side of the plate, the last item of concern is the driven element. Mount the element leaving a 6" space at the center. Slide 18" sections of 7/8" into each 1" tube and bring the ends close together. (The perfectionists can cover the exposed 7/8" tubing with short lengths of 1" tubing for a uniform driven element.) Fasten loosely and begin thinking about a boom-to-mast mounting and a coax connection. A small plate with a coax connector and the shortest possible leads to the antenna elements takes care of the connection. I like to use a 1:1 choke balun of W2DU design (ferrite over a length of coax), and this can be taped to the boom.

Mount the antenna about 10' off the ground pointing straight up. Adjust the driven element for resonance. Now get the beam up about 35' and begin waiting for sunspots.

This beam has only one more element than

our 2-element special, but it is twice as large and twice as ungainly with its 12' boom. However, its performance improvement over the 2-element Yagi will show up instantly—or as soon as there are some folks to work. You will notice the effects of the added gain and front-to-back ratio on your local net. The bill will come to about \$75 or so, which is not bad, if you have priced commercial beams lately.

There are beams with higher performance figures, but none any simpler to build than this wide-band special.



The President and some of the board members of the Chesapeake Bay Chapter of Maryland. Back row L-R Dave Kalb, N2TDT; Chaz Moody, W3TXF; Skip Purcell, W3VQY; Bill Jowanowitch, K3TUJ; Al Brown, WB3FYZ. Front Row L-R: Tony Young, WA3YLO; a future 10-10er Amanda, Bill's granddaughter; Roxanne Harich, N3UUB, Treasurer; and Phil Harich, N3UNF, President. You can meet them and others on their net every Sunday at 0000Z on 28.435.

**DON'T FORGET TO VOTE IN
THE UPCOMING TEN-TEN
ELECTION**

**CHANGED YOUR CALL or ADDRESS
NOTIFY 10-10 - ADDRESS ON PAGE 31**

.....
: Featured Station :
: by :
: Bob Ryan, K6YVG :
:

An article about this 10-10 member was written by Chuck Imsande, W6YLJ, back in May of 1988. I thought it might be interesting to go back and see what has changed in the past ten years. It appears that he just found more things to do.

Besides having Amateur Radio as his hobby, one of our members, Don Jones, KB6QLC # 42822, spends much of his time just clowning around. Don, whose phonetics for his call are "Quiet Loving Clown" has been clowning around for the past 28 years with the Elks clown group. In 1988, Don had the pleasure of working with California's ex governor George Deukmejian during the Long Beach Centennial ceremonies. Also that same year Don was publicity chairman for the ARRL convention. Every year he works at McLaren Hall for abused children. He has worked with Nancy Reagan and the "Just Say No" drug program. One of his favorite sayings is "Hugs are better than drugs." He has also worked with such stars as Robert Blake and Lindsay Wagner.

At the home QTH, he has a loving wife of fourteen years, Annette, and she is with him when he is at his radio station. Don's three year old granddaughter Nazirah is an aspiring radio operator. When he is on the air chatting, his granddaughter will say, "Oh! That's Louise, I want to talk to her." She is not one bit mike shy and loves talking to people on the radio.

His station consists of a Kenwood TS870 Dsp with an 8 band Butternut vertical. Don has worked all states, worked all countries with about 235 countries.

Although Don has been a member since 1987, he was net control for "Novice Enhancement" back in 1987 through 1989. Today he is net control for the Elk's net on 20 meters once a week and net control for the 15 meter "Yacht Net" once a week. Now you find him on 28.800 on Tuesday's 18:00 UTC. Check in and say hello to Sniffles the clown and add his 10-10 number to your list. Don also helped the late Harry Goldstick, WA6JTM # 45782 to get the Lane Victory, W6LV started in ham radio. The Lane Victory is the only operational WW II victory ship in the world.

Another place to catch Don is operating in the radio room of the Queen Mary, W6RO #25000. You will find him there the fourth Saturday of each month. In addition to all of that, he helps out at the Red Cross with communications when needed. It seems like Don's time is dedicated to being of service. Thank you Don.

**Thank You From
Tom Henderson**

I want to extend a big thank you to those of the membership that have contributed to our Scholarship Fund. You have contributed so far this year over \$2,000. That is a super effort. It is money well spent as it funds the scholarships for our youth. They are our future and the future of amateur radio. I also want to urge those of you haven't contributed to do so. We have elected to fund four \$1000 scholarships this year. As you can see we are half way there. It goes without saying that we would love to have more than the \$4000. We need your help to make this a reality.

LEARNING THE CODE THE BEST WAY

By: Martin Reid, N6QU # 28868

Our discussion of learning the International Morse Code continues, with this, our third in a series, dealing with the "best" way to learn the code.

Our last discussion concluded with the assumption that you have learned the alphabet, numbers, and prosigns. You might be wondering the quickest way you can now get your code speed up to 13 or even 20 words per minute. The following advice might surprise you..

There has not been a code tape recorded or record sold which compares to the benefits of getting on the air and sending and receiving the International Morse Code to another human being.

Somehow, the incentive of having someone on the other end of a live conversation creates an incentive to copy as many characters as possible and send in a fashion which will not result in too great an embarrassment to the sending station.

Even the FCC has realized the benefit of on-the-air practice for individuals learning the code, as this is one of the primary reasons the Novice Class license was created.

Getting on the air also holds an additional, added benefit - hours of enjoyment and pleasure which you will find in meeting other U.S. and foreign hams who are interested in increasing their CW skills, or helping you increase your CW skills.

U.S. amateurs have specific areas where hams, new and old, experienced and inexperienced, gather for purposes of learning the code or helping those who are learning. These areas are known as the "Novice Bands". On 80 meters, this band extends from 3675 to 3725 kHz. On 40 meters, the Novice band extends from 7100 to 7150 kHz and on 15 meters, the Novice band extends from 21.100 to 21.200 MHz. On 10 meters, the Novice band extends from 28.100 to 28.500 MHz, with Novice phone privileges from 28.300 to 28.500 MHz. We will discuss the individual characteristics of each of these bands

later in this series.

A modest station for the beginning student of CW can be assembled for a reasonable amount of money. In fact, for about the same price as a new, dual band hand held VHF/UHF transceiver and a few accessories, a ham can obtain a "previously owned" HF transceiver and construct a simple dipole or other wire antenna, giving him or her access to at least five or six U.S. amateur bands. With this simple HF station, the beginning CW operator can enjoy local or worldwide contacts, providing some of the most exciting and enjoyable entertainment available anywhere in ham radio.

Newer transceivers will have all nine U.S. amateur bands, including those awarded after the World Administrative Radio Council or WARC, the forerunner of today's ITU.

Older transceivers will have all U.S. Novice bands, but will likely not have the more recently added "WARC" bands. For this reason, an older, vintage transceiver may provide the beginning Novice excellent value for the money. As with any used equipment purchase, the buyer should always beware. In considering the purchase of a used transceiver, it may be wise to seek the advice of an experienced, trusted ham.

Of course, the purchase of a new transceiver is always an option, but the new ham would be well advised to "test the waters" with an inexpensive investment until he or she has a clearer idea of their real interest.

New or used, a HF transceiver is a cost effective investment for any ham. Many recent manufactured HF rigs come with not only ham bands, but also general coverage receivers. With a general coverage receiver, one can listen to entertaining and informative short-wave programs from around the world. And, even if one does not yet have the higher classes of license required for all bands, there are no licensing requirements for listening. Instead of code tapes, one can eavesdrop on conversations from all over the country and all over the world.

This series is intended to deal with Morse code, not purchasing ham equipment. But, having mentioned equipment, a few points for your consideration in shopping for that first HF rig.

If your community is fortunate enough to have a reputable full service Amateur Radio retailer who handles new and used ham radio

(Continued on page 15)

TenX DX News

By Mike Davison
N5MT #24949

In December 1997, a new 10-10 country was created as a result of Felix DL8OBC #55519 (ex.N5BC) who operated the club station 5A1A from Libya along with other German operators. This club station is the only accredited Libyan station allowed for DXCC by the ARRL. The count of 10-10 countries is now 289! The Germans put on a great DXpedition for this needed country. I did not work Felix on this trip but at least ten of you work Felix with the special call 5A2A. After Felix got back home, I contacted him by Email and got a list of the ten members he worked to qualified the club station for a 10-10 number. I sent the en dollar DX membership fee and 5A1A was issued #69222! Everything was sent to Felix who will get with the trustee of the club station, Mr.Alubaker, who is expected to visit Felix in Germany during the June Friedrichshafen convention. Felix will explain to him about 10-10 so that others can work the club station for a new 10-10 country. Be aware that this club station uses other call signs like 5A2A and 5A21PA, so it will be confusing to ask for a 10-10 number especially from a guest operator who does not know about 10-10. Good luck with 5A1A.

"5A2A was on 10 meters 12-02-97 Ken ZS6NB and myself worked him as he has a 10-10#, QSL is via DL3KDV. He was working Africa and Europe at 1335 when I worked him. 73 Don ZS6AQS #61510".

It is with sadness that I tell you about a DX friend who I met in 1983 and is now a Silent Key. This lady was the YL half of the world-famous Colvin DXpedition team, Iris Colvin, W6QL #21226, she died February 18 at home in California. Iris aged 83, was first licensed in 1945 as W6DOD. She and her late husband Lloyd, W6KG #21227, traveled the world between the 1960s and the early 1990s, operating from more than 200 DXCC countries. Lloyd died in 1993 when they had been married for 55 years and

after having logged over a million contacts between them. Thanks Iris!

Conditions on Ten Meters continue to improve! The 1997 CQWW DX contests are over and both the SSB and CW weekends were very exciting. I worked a total of 85 countries, 275 contacts and 29 of 40 zones both weekends and all on ten meters.

Upcoming DXpeditions & New 10-10 Country Activity: Wake Island 1998. I just asked Bob KH9/N200 #12732 (9M600, V8500, XX900) for his 10-10 number on 28490 (3-1-98 at 23:15Z). Each operator is using a different call with stations using directional antennas for 10 through 20. QSL to WB4YBV. XW, Laos. John/SM0DJZ #31801 and other JA operators in early January, 1998. I do not have any reports of this activity which would be a new 10-10 country! Help. JT1Y Mongolia. A large group of Italian operators including Elvi IV3FSG #54292 will operate from Mongolia between April 7-14. 9M8, East Malaysia. Peter, PB0ALB #61524, is planning to be active from April 10 to May 22, as 9M8CC on all bands. QSL via home call. 5R, Madagascar. Ray is QRV as 5R8FK #46990. QSL via NY3N. DXpedition to St. Brandon (3B7). From May 5-17 the archipelago St. Brandon will be active in continuous operation by twelve operators. The archipelago St. Brandon belonging to the Republic of Mauritius (3B8) is located 400 km to the north of the latter. The one member you need to find is Kurt HB9AFI #34449. 4S, Sri Lanka. Mario, HB9BRM #30935, will be active from Sri Lanka for 3 months beginning March 3rd as 4S7BRG. QSL to callbook. VQ9, Chagos Islands. Paul, W2JDK #54574, is on from March 1st for three months as VQ9PH.

1010 IOTA: P4, Aruba. Martin, VE3MR #40238, will be using the call P40MR until late April 1998. QSL to home call. P49I by Mike, K4PI #8364, was active in January. 8Q Maldive Island. Members of the 8Q7AA DXpedition team in January 1998: Sally Martinez KM5EP #65064 & Dan Brown NA7DB #21616 on SSB. On CW was Stephen Towne, NN7X #39696. VP5, Turks & Caicos Islands. Randy, N0TG #12990, Murry WA4DAN, and Ron AA4VK #12423, operated portable /VP5 in January. QSL: Randy Rowe, 1094 Big Rock Loop, Los Alamos, NM 87544. WA9S Charles #51945, N8LGP Steve #52852, and others were on as VP5/home call from Feb 14-28. In the ARRL CW test they used the call VP5FXB. QSL via W8AV. HK Columbia. Pedro, HK3JJH #47437 was active as HK3JJH/HK0B from NA-133 and HK3JJH/HK0A from NA-132. QSL via home call. KH4, Midway Atoll. Ted, NH6YK #64953, may be active from here from March 18-29th as NH4/NH6YK. MW8Z, Wales by G4BWP #28684 Derick and others, will activate the island of Anglesey (EU-124) in the IOTA contest later this year. QSL MW8Z via

(Continued on page 13)

TenX DX News

(Continued from page 12)

G5LP. V7 Marshall Islands. Tim, **N2PC** #21568, is on as **V73AT**. QSL via **K2CL**. **V3 Belize** IOTA NA-180 3-10 February. Operators will be **V31VI (N6KZ Jim #26126)**, **V31UY (N6UY Earl #33702)** and others. QSL to home US calls. **J7, Dominica.** Bob, **W2KKZ** #34896, will be here from March 1-8 as **J7/W2KKZ**. He plans to be on 80-10 meters CW and SSB. **HP, Panama.** Gerard, **F2JD** #63443, has returned to Panama as **HP1XBI** until April 1st. After that he will be in Honduras for one month as **HR5/F2JD**. **HR6, Honduras.** Joe, **VE3BW/HR6** #6893, was on Roatan Island (NA-057) from Feb 1-22. QSL via **VE3BW**. **S7, Seychelles.** Kurt, **HB9MX** #36152, is active again as **S79MX**. He has been QRV on 15 meters around 0830z. QSL to home call. **EI Salvador** by Roger, **YS/KB9JIF** #67454, was on 28.425 1-29-98 looking for contacts. QSL to Roger Callewaert, POBox 85722, Racine, WI 53408.

ARRL SSB Contest ops: **Honduras HR6/W4OVU** via John **W4OVU** #12207. **Mexico XE2EBE** via Dan **AA6DP** #3844. CW Contest : **PY0FF** in contest from **Fernando de Naronha Island** or before the contest possibly as **PY0ZFO** was Bill **W9VA** #2706.

V2, Antigua. Team Antigua will once again activate **V26B** in the ARRL DX Contests, both CW and SSB. Look for **Dale N3BNA** #32100, via **WB3DNA** and **V26E Darrell AB2E** #9753 via **AB2E**. **V2, Antigua** from May 26 to June 2 by **V26TT Jim, K5TT** #10511 (ex-WV5S), and **V26GG Dave, W5AO** #6506 (ex-N5CG). QSL Jim callbook and Dave to Box 88, Morris, OK 74445-0088. **Pacific trip:** **OK1TN Slavomir** #5272, was active on CW as **FO0/OK1TN** in Tahiti in February. Then to , **A35 -Tonga**, **5W -W. Samoa**, **KH8 -Am. Samoa**, **3D2 -Fiji**. QSLs via **OKDXF**, Box 73, Bradlec, 293-06 Mlada Boleslav, Czech Rep. Europe. **ZS South Africa.** John, **KA3DBN/VP2EBN** #25754, will be in Africa from March 1-19. From South Africa he will try to operate from **A22**, **7P8**, **3DA0**, **Z2** and **C9**. QSL to **K3BEQ**.

C6, Bahamas. Joe, **C6AJR/W8GEX** #41393 ex. **WB8GEX**, and John, **C6AIE/WZ8D** #48825, are going back again February 25th to March 4th. Cards to John Walker, 1930 Meredith Dr. Loveland, Ohio 45140. Cards for Joe Pater, 1894 Old Oxford Rd. Hamilton, Ohio 45013. **C6AFP** by Steve, **N4JQQ** #46108, will be active from Treasure Cay, Abaco, July 10 to August 2. QSL to Steve Rutledge, 199 S. Grove Park Road, Memphis, TN 38117.

7X Algeria by **ON4WW Mark** #49103. "Looks like I'm going to 7X shortly. Location will be close to S0, Western Sahara. For licensing purposes, I'm urgently looking for additional information that might be helpful. 73 Mark ex-9x4ww" on4ww@club.innet.be.

Propagation: Solar flux will range from **99-135** during the second quarter of 1998. On March 1st, the

Solar flux is 98 the A index 8 and K index 1, now that Cycle 23 is underway what has happened to the the Solar flux? Looks like we have had a 6 month lag in the higher flux levels as compared to the last two Cycles! Twenty point swings of flux numbers are expected as new spots appear on the sun and it moves into what I call the first phase of Cycle 23. This first phase will last for 2 years. For stations in the Eastern US, expect a 60% chance of DX propagation to the East-West path into Europe or Africa. For stations in the Western US, expect 20% chance of DX into Europe. All of the US will get a 40% chance into Central & S.America. Sporadic E Layer conditions will diminish during the Spring as F Layer skip begins to return. Remember the beacons (28.175-28.300) tell you what is open on the band especially 28.200.

British Virgin Island by Dirk **VP2VF** #63440 had this to say about the QSO Party: "Cycle 23 definitely has not started here. Copied 8 US stations during the contest who were 59. First QSO at 1943 after calling CQ from 1200, Sunday first contact at 1820. Total 9 US contacts and all the rest were Spanish speaking which made for a long weekend. I am sure that **LU3CT** did quite well Sunday with the US one contact after the other, while the band was absolutely dead to me. There is always a next time! 73, Dirk, **VP2VF**"

(Editor: I received the log for Dani **LU3CT** #68907 in Argentina and it looks great! Dani had 356 QSO's with 940 points, he had better propagation than I did and hope Dani gets First place. Good Luck Dani.)

New DX members this Winter: **ON4LBQ** 68911, **DF0KA** 68940, **DF0AD** 68941, **DK0KWS** 688942, **Z21CS** 68943, **F3FEG** 68944, **DH3HS** 68945, **JA5GPJ** 68946, **ZS5PT** 68947, **VO1CRQ** 68948, **DL5JF** 68949, **DL2KHU** 69200, **DH9UW** 69201, **DL2EEC** 69202, **LU5FOO** 69203, **DF4ES** 69204, **DL3NEO** 69205, **DK7JC** 69206, **YC0SBV** 69207, **DH1CH** 69208, **DH2JF** 69209, **DH1UB** 69210, **DJ0PR** 69211, **DH1PAL** 69212, **ON4LDK** 69213, **DL1QK** 69214, **5A1A** 69222. 73 from Carol **K8DHK** #29588.

Thanks too: The on-line DX Reflector, **QRZ-DX**, 425 DX News & Ohio/Penn DX Bulletins. Send photos to Mike Davidson, 3518 Bellefontaine, Houston, TX 77025 USA or NEW Email: **N5MT@aol.com**. Remember, **DX IS!**

Good DX & 73. ... Mike Davidson **N5MT** #24949

Guinea-Bissau. **J52IM** Dave Bendt (**KC9M**) #24392 is moving to **A7 -QATAR**. Dave will leave Bissau this summer and move to Doha, Qatar in September 98. QSL via **KB9XN**.

Larry Erwin, TZ6VV #28997, is a missionary who has made over 66,000 contacts in **Mali** since 3 January, 1987. Both he and his **XYL** Trish, **TZ6YL**, left Mali in January to go on furlough back in the US. They will be in the states until 1 August, 1998 then back to Mali.

(Continued on page 19)

Chapter Coordinators Column

Dave Smith, K6RDK #65812

Applications pending: None

Newly Affiliated: Concho Valley Chapter,
San Angelo, Texas

Reports due this quarter: Air Capital, Battleroad, Branding Iron I & II, Broken Hearts, Crater Lake, Edmonton Area 10-10, Feline Friends (Restoration Project), GB Ten, Lindbergh, Milwaukee, Red River Valley (Steamboat), Republic of Texas, SC Golden Corner, Twin Tiers/Chenango Canal

Reports Past Due: Blackhawk Valley, Cowntown, Platte River, Sky Blue Waters

Reminder: To remain affiliated with 10-10 International, all chapters must fill a chapter report at least once each year. This information is used to update the 10-10 Awards Guide and the monthly Guide updates. We don't want the membership wasting their time and money on a chapter that is no longer active. If the name of your chapter appears above, please advise the Chapter Coordinator if there has been a change in status of the chapter.

New Affiliated: Concho Valley Chapter is a newly affiliated chapter as of 26 December 1997. Their net meets Tuesdays at 0300UTC (Winter) on 28.360 Mhz. There is no certificate program at this time. The CH is Ralph Stout, KA5ULE, #67883, 3110 Edgewood Dr., San Angelo, TX 76903.

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Chapter News

Alli - Kukui Nut numbers are given to members who have visited Kauai and met with at least 3 CL's for an eyeball qso. Each Kukui Nut is worth 5 points one time bonus for on-air contact. Also, some may think that Kauai seals can't be used until they earn their own, but Kauai seals can be used any time to increase the point value (+5 per 10 seals).

Brooklyn Bridge - has a new chapter head, AA2WM, Bob Tarwacki, 103 Commerce Street, Staten Island, NY 10314, 3274. This position has remained vacant since WB2COL became a SK. N2EZL, his xyl (WB2COL) remains the certificate manager.

BB is in the process of reworking the program. Worked all Brooklyn and Worked All Call AReas programs are temporarily QRT, but will be revamped very soon. All past seals will be honored when the new program is released.

Chapter Borinage - With the passing of Michel Bouchez, ON6XN, ClaudeDeman, ON4CN has accepted the position as the new Chapter Head. Claude's address is 119 Pave de Warquinies, B-7340 Colfontaine, Belgium.

Chesapeake Bay Chapter - In conjunction with the CBC phone net on Sunday evenings at 2359 UTC on 28.435, CCBC is going to hold a CW net that will be held on Monday nights at 2345 UTC on 28.140 which began on 9 February. All licensed operators are cordially invited. Net control will be WK3P, Herman FM-8.

The Chesapeake Bay Chapter has started code practice at 5 wpm at 7:30PM EST every Tuesday and Thursday evening (0030 UTC Wednesday and Friday) on 28.140.

Cradle of the Confederacy - The 1998 Jeff Davis birthday event will run from 000Z 30 May to 2400Z on 4 June 1998. Contact with any Cradle of Confederacy Charter, Local Charter or Local member (C, LC, or L) is an instant qualifier for the Cradle of Confederacy numbered certificate. Calling frequency is 28.350 Mhz. Send QSL information with \$2.00 to WB4OZN, 2141 Edinburgh Drive, Montgomery, AL 36116-1313. Event QSL will not be available.

Fort McHenry/Cornerstone - Collect Fort McHenry Defender numbers for the month of April for 1 FTMCH points each. Collect Cornerstone BULKHEAD numbers for 5 Cornerstone

(Continued on page 15)

(Continued from page 19)

XK8, NEW CALEDONIA Alain/FK8FI #61544 and Eric/FK8GM, and Franck/FK8HC will use the special callsign TXK8DX (no misprint) during the WPX Contest. The TX is a special prefix for French overseas territories and the K is for New Caledonia. The team plans to use a 4 element delta loop for 10meters. QSL via WB2RAJ.

Steve Salmon, **AA6LF #50995**, has a new QSL manager. Gerry Branson, **AA6BB**, was Steve's QSL manager until he became a Silent Key. Steve's new manager: Ron Lago -**AC7DX**, P.O. Box 25426, Eugene, OR 97402

XQ0, SAN FELIX. John, **CE0ZAM**, will be active from this rare Chilean island for about 20 days in 1998. Activity is planned to take place in April/May, and he will use the callsign **XQ0X**. Operations will be CW/SSB on all bands.

QSL VIA CT1EEB —> Jose de Sa, **CT1EEB #58967** can confirm contacts made with **CQ1A**, **CR8A** and **CS1A** in 1991, 1992, 1993 and 1994 *only*. He is *not* the QSL manager for either **D44BS**, **CQ1I**, **CQ1C** and **CQ1A**, **CR8A** & **CS1A** for contacts made in 1995, 1996, 1997.

TOKELAU ISLANDS, ZK3. Peter, **ZK3PM**, who works for the New Zealand government, will be active from Fakaofu Island for the next 2 years. **FUTURE**

PORTUGAL, CT. Portuguese amateurs may use Special Prefixes from January 1 to September 30 for Expo 98. Look for **CQ98**, **CS98**, **CT98** and **CU98** stations to be active. QSL via their regular CT/CU callsigns.

Mike, K9NW #29804 ex.**N0BSH**, reports the following QSL route change for all his DX operations after 1/1/98. QSL to **WW9DX**: **PJ7/N0BSH**, **NP3/N0BSH**, **NP4/N0BSH**, **FS/N0BSH**, **V47NZ**, **FS/K9NW** and **WH7/K9NW**. **WW9DX** is the Western Wisconsin DX Association, PO Box 411, La Crosse, Wisconsin 54602.

P4, ARUBA. Operators Carl **AI6V #14974**, Rusty **W6OAT** and Paolo **I2UIY**, will be active from February 15th to March 15th, as **P40K**.

Bob, K4UVT #63555, reports that requests for **ZF2RF** QSOs should go to Bob's new address: D R Dorsey, Jr., PO Box 977, Charlottesville, VA 22902-0977. Prior addresses and the callbook are no longer valid.

(continued from page 11)

equipment, consider obtaining your HF transceiver there. You see, the employees of this type of dealer can answer your questions about the rig you are considering, how to set it up, and most importantly, they can provide the service for the equipment they sell. Today, there are many sources of new and used ham equipment. These range from the local ham swap meet to classified ads in various ham publications. In an era of credit cards and overnight delivery, obtaining the rig you want is not a problem. However, obtaining the rig you need is. And here is where dealers, like the ones I've mentioned can ensure you receive good value for the money you are spending on your ham equipment purchase.

In my opinion, consulting a dealer, asking questions face to face and listening to the experience a ham merchant offers with the equipment he sells is priceless. Your "bottom line" price may be lowest when you "price shop" for a rig using 800 numbers. But your face to face discussion with a dealer about the rig you are thinking of buying may reveal features you need that you were not aware of, of features you are thinking of paying for unnecessarily. You may save money but more importantly, you will be purchasing the rig that's "right" for you. So, gather your questions and budget information and make your purchase dealing with someone who can help you before and after the sale.

One publication which will help the ham considering the purchase of a "previously owned" rig is "The ARRL Radio Buyer's Sourcebook", a collection of product reviews from the pages of "QST" magazine. This book also provides an excellent introduction to the various features available on modern transceivers and explains how they work. I would suggest every ham contemplating the purchase of an HF transceiver read the first chapters in this book and then go have a chat with your local dealer.

Next month: comparing the Novice bands and what to expect to find on each of them

.....
: **Don't Forget To Vote** :
:
.....

SCHOLARSHIP FUND NEWS

Honor Roll

SCHOLARSHIP FUND VOLUNTEERS

During the last quarter of 1997, the following 10-10 members became Scholarship Fund Volunteers:

04147 WA7KNK Walter H. Statton
23660 W5UFA Robert D. Johnson
33233 K4CIH Tom Henderson
43493 KA0TAO Larry R. Ochs
50149 K6GWC Mel Erb
56860 KA3WWG Mary Jane Herrington
68359 W0ROB Robert C. Baker

President Tom Henderson, K4CIH #33233 made his contribution in memory of Jack Miller, W9WYN #6894 and Bob Cardwell, GW4PUX #36929.

Mary Jane Herrington, KA3WWG #56860 made her contribution in memory of Nat Green, 8P6SA #45858 and notes that he will be missed.

The following 10-10 members became Scholarship Fund Volunteers during the last quarter of 1997 by making a contribution with their dues renewal. We encourage all of our members to follow their fine example.

17042 W9TNZ Harry Greenfield
32138 W3DCN Gordon F. Plitt, Jr.
47121 KK6NH Leslie Day
47900 KK6NF Michael J. Bailey
58543 KA3UPS Harry W. Shenton
63311 W5BZV Kenneth B. Nace
63655 K8IYO George Willeford
63770 N7WBQ John E. Munger
63862 AA0XG Paul Minor
65691 KS4FT Roger O'Linger
66539 N3QLT Paul Jordan
67544 KB0POS Thomas L. Miller
68324 WB7PSD Steven M. Kennedy
68601 KB9KWA Thomas J. Monahan
68979 W1FPF John D. Ormsby

During the first quarter of 1998, the following 10-10 members became Scholarship Fund Volunteers:
32569 KE4UTN Glen Cochran

34818 AB4WU John W. Nutter
39650 N7HDB Gini Segedi
46221 KA7ICF Jesse R. Larsen
50715 AB4QD Paul J. Mosher

The following 10-10 members became Scholarship Fund Volunteers during the first quarter of 1998 by making a contribution with their dues renewal. We encourage all of our members to follow their fine example.

00362 W7COK Ralph E. Sims
01538 W3PWG Rolland E. Madera
04556 HI8LLS Larry Street
06608 WB6OMH William A. Risher
07968 W6GBA George Papalias
08906 W7COJ Lois B. Sims
17538 K4ADB Leslie D. Case, Jr.
18807 AD5F James H. Ferguson
26626 KG5RJ Gregory F. Hall
26722 WM4R William M. Rowlett
37506 KF9MB Roger Benjamin

10-10 - SILENT KEYS

It is with sorrow that we note the following 10-10 members who are now SILENT KEYS. We extend our sincere condolences to the families and friends of these SK members whose calls and 10-10 number will forever be kept in the records of the 10-10 Net.

00850	W4JIK	DeWitt R. Gooch	Clearwater, FL	35829	KB5T	Oliver Lee Kingsley	Las Cruces, NM
01176	W2RHS	Robert L. Serfling	Baldwin, MD	36033	KA6EMR	Curt A. Barnett	Fresno, CA
01978	WB4BL	Grover A. Purdy	Birmingham, AL	36164	ON4GN	Marcel Godon	Mons, Belgium
02927	W4AFW	Charles C. Leonard, Jr.	McAllen, TX	37501	W2WNN	G. William Henry	Holland Patent, NY
03572	W8IWL	Alfred T. Phillips	Simpsonville, SC	37625	KE6DC	Leonard Cross	San Diego, CA
03614	WA7HYC	Raymond P. Kositzky	Billings, MT	37643	WA6DIE	Ron Dubravetz	Everett, WA
03939	W0ASY	Ernest V. Carson	Hesston, KS	38058	KA5DQU	Peggy Abernethy	El Paso, TX
03994	AA4GI	John H. Merada	Seminole, FL	40768	WT4Q	J. Lewis Williams	Chestnut Mtn., GA
04172	K0LME	Albert H. Brentlinger	Aurora, CO	41168	AA4MZ	Douglas P. Whitaker	Nashville, TN
05726	W7LCE	William F. Balch	Sun City, AZ	41492	KF5OS	Robert H. Lantz	Austin, TX
05774	W5BOT	William R. Sharp, Sr.	Jackson, MS	41638	K0BHI	Clarence Reid	Wichita, KS
06265	W8VHK	Russell D. Shellhaas	West Milton, OH	41642	K0ALI	Bob Harrington	Pueblo, CO
07143	K8AKA	Thomas C. Blizzard	Mansfield, OH	41913	KA2TXL	Edward R. LaTour	Staten Island, NY
07709	KL7GSC	Stanley f. Shmiel	Naknek, AK	41978	WB2OJQ	John Lambert	Cape Coral, FL
08343	W5GTU	Reid H. Burrows	Madison, WI	44375	KF0MA	Marion (Don) Hartman	Arkansas City, KS
08827	W7JTA	Charles C. Strader	Monett, OH	44958	KF7NR	Edwin N. Reiche	Tucson, AZ
08946	KC8OB	William N. Thee	Palm City, FL	46842	WB8OSZ	Eugene L. Sweet	Royal Oak, MI
10015	N4VM	Norman L. Jacklin	Arden, NC	46947	K3AUS	Hayes W. Eckard	Mifflintown, PA
11470	W1FZ	James E. Thayer	Farmington, NH	48074	K3TKK	Raymond L. Peterson	Salisbury, MD
11616	AF5W	LeRoy Milliren	Springdale, AR	50026	KC1VO	Joseph W. Waddie	Cambridge, MA
11902	W6EJS	Albert S. Luty	S. San Francisco, CA	50575	W3OLO	Charles W. Dietrich	Reading, PA
12591	W8JFM	Charles W. Baldwin	Saranac Lake, NY	52528	WB2VNF	Doran E. Sausser	Ridgewood, NJ
12779	K17WT	George B. Lewis	Eugene, OR	53124	KG7IZ	Douglas C. Schaber	Tucson, AZ
13050	WA6GWS	Robert W. Henderson	Lake Havasu City, AZ	53893	N2IUH	Daniel R. Kusza	Amhurst, NH
13164	W3VMN	Walter T. Carson	Honey Brook, PA	54151	W8TSF	John R. Hermann	Lancaster, OH
13446	WB4GEP	Richard Wiedemann	Largo, FL	55154	K4OSW	Robert Anderson	College Park, GA
15009	W6NYK	William E. Johnston	Pahrump, NV	55407	N8EUP	William J. Rumler	Jackson, MI
15251	WB0OPP	Robert G. Kimmell	Elephant Butte, NM	55685	W7LQM	Raymond W. VanSkiver	Sun City, AZ
15342	W1DJH	Frank M. Weinstein	Nashua, NH	55713	KA3UMJ	Orlando Patrizio	Philadelphia, PA
15451	WA4UCT	C. J. Rosecrans, Jr.	Birmingham, AL	58385	KH4AF	Clinton w. Sides	Blue Mountain, AL
16495	W4FX	Clayton H. Merrell	Anderson, SC	58413	KA5GHX	Otis M. Porter	Pawnee, OK
17531	WA4FKE	Walter T. Hobby, Jr.	Mims, FL	60274	NOMHI	Charles F. McMahon	Washington, IN
18141	W0GCR	Clarence G. Carlson	St. Paul, MN	61440	AA9US	William E. Parks	Stratford, WI
19945	W3ANK	William H. Hurst	Haddonfield, NJ	61952	WA3ZKE	Francis A. Fowler	Wheaton, IN
20157	W2VQD	John J. Moran	Bethpage, NY	62404	K1CYD	George B. Corcoran	Suffield, CT
20921	KB4BO	Joel L. Smith	Spring Hill, FL	62653	AD4JH	Nelson E. Southwick, Sr.	Cocoa, FL
21226	W6QL	Iris Colvin	Richmond, CA	62967	N9CWH	Alva L. Reynolds	Evansville, IN
22062	WB4HAV	Samuel Lebowich	Falls Church, VA	63248	KD4LAU	Gary B. Robison	Birmingham, AL
22752	K1MPK	Edgar A. Kenney	Gilford, NH	64004	KC9LB	B. Leo Forgette	Romeoville, IL
24190	N4AII	Glen D. Gray	Tuscaloosa, AL	64543	KB3QO	A. L. Copeland	Rockville, MD
25115	WB0RLY	Joe J. Flaska	Denver, CO	64934	W6BMP	Conrad J. Watson	Novato, CA
26571	KA2BPD	Lawrence G. Heslin	Manchester, NH	66576	N3MBD	Jerry M. Trznadel	Orange Park, FL
27522	WY5S	John D. Lewis	Oklahoma City, OK	68210	KD4NDJ	William M. Vernon	Blue Ridge, VA
28121	KA1BAR	Anthony J. Connetta	Cranston, RI	Correction from Winter Silent Key Report			
30457	W8TJC	Wallace W. Wilson	Uhrichsville, OH	23116	W4WXJ	John D. Hill	Nashville, TN
30526	W3GEZ	Allen J. Schiavoni	Douglassville, PA				
30630	KF6DL	Donald L. Lee	El Monte, CA				
30748	NU0Z	Kennie R. Graves	Yates Center, KS				
30797	KE0EQ	Lysle Renne	Omaha, NE				
33167	W9NEX	L. John Weber	Crystal Lake, IL				
33304	KO4HA	Harold Hill	Orlando, FL				
33334	K2BWK	Ernest C. Brown	Victor, NY				
33759	N6GGR	Maxine Reams	Tustin, CA				
34370	ND7I	William F. Wellman	South Beach, OR				
35169	K9SST	John C. Winters	Chicago, IL				

OAK RIDGE, TN HAMFEST

The annual Oak Ridge, TN Hamfest is coming up on April 11th. Flyers have been sent out listing the location as the New guard Armory in Clinton, BUT we have had to change back to the OLD GUARD ARMORY in Clinton, because the Guard decided to have troop movements each week end through June., We were able to get the OLD Armory from Anderson County. The hours are the same. Flea market set up Sat morning at 6:am doors open at 8:am. Dealers may set up Friday from 1:pm to 6:pm. If you decide to visit our Hamfest BE SURE TO DROP BY THE 10-10 TABLE at the front door. We hope you will be able to attend and see some of your old friends and make new ones. The 10-10 Table will have a lot of Information for you.

Hear Ye-Hear Ye-Hear Ye

The 10th Annual Hill Country Gathering will be on 31 May 1998, at the home of Jack (K5CC) north of San Antonio. The picnic is sponsored by the Bluebonnet, Outlaw, and South Texas Lighthorse Brigade Chapters of 10-10. Several club stations will be active and everyone will be able to operate ten meters. Barbecue will be served as well as lots of other good food and desserts. Everyone is welcome along with family and friends. Please contact Bill (WA5EDR), Ray (N5DAS), or Jack (K5CC) for more information.

Please make note that there is a Bar Manager change. Effective immediately Dan Morris, KZ3T, is the new manager for Bars 100-900. Please send all applications for these bars to him. You can find his address on page 30. Always send an SASE with your application.

There is another change that has taken place. Effective immediately, Brad Kimble, WA4KUP, is the new Certificate and Awards Guide Editor. Please send all future requests for the guide to him. You will find his address on page 31.

The annual Reno Bash will take place August 14-17 at the Circus Circus. There will be a big dinner on Friday night and a net on Saturday at noon (local time) on 28.485. You may make reservations at Circus Circus by calling 1-800-648-5010.

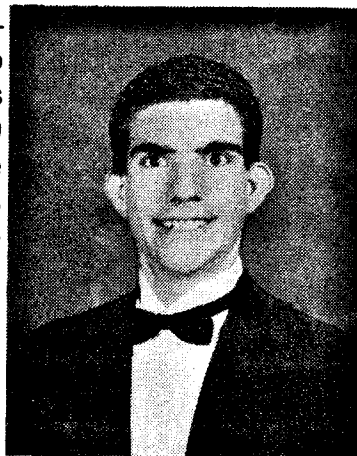
The Channel Islands Chapter recognizes Mac Shroyer, K6MVN, Ralph Noll, KD6BYI, and William Allen, N6XD for earning their VP awards. In addition William Allen made the most contacts as Net Control during the chapter's first annual special event during the month of December. He was awarded a nice certificate for his hard work.

For those of you who have not heard, the CH of the Flying Tiger chapter, KA1JFT is hospitalized after losing a leg in surgery. He is now in rehab and will be for at least 5 more weeks. He would appreciate hearing from you. His address is:

Jerry Morin
Room 205
Rehabilitation Hospital of RI
116 Eddie Dawling Highway
North Smithfield RI 02896

The Future of Amateur Radio

This is Chris T. Duncan, AD4G, who holds an Extra class license with a 10-10 number of 67365. He is seventeen years old and has been licensed since 1994. He is a senior in high school and enjoys HF contesting, chasing DX, and collecting 10-10 numbers. His favorite bands are 10



and 15 meters. This year, he is editor of the Western Carolina Amateur Radio Society's newsletter the "Smoke Test". Chris also enjoys talking with friends on 2 meter repeaters, simplex and packet. He is a net control on 2 meters of the 6600 Net which averages around 125 check-ins. He helps with amateur radio classes, and has obtained the 75 meter "Worked All States" award, and is working on it for 4 other bands, 10, 15, 20, and 40 meters. He also volunteers with the Buncombe County (North Carolina) ARES/RACES. He has been active with Field Day preparation and operations, being a band captain for Satellites and 40 meters for the past three years.

Some of his other activities include running varsity track and cross country and is the school mascot. He plays the trombone in the school symphonic band. He was on the A/B Honor Roll for his Freshman and Sophomore years, and the first half of his Senior year. He presently holds a 3.875 GPA and is in the top fifth of his class.

Chris is active in church activities. He also participates in the Fellowship of Christian Athletes.

He plans to go to college next year and major in Pre-Medicine with chemistry. His goal is to eventually become a doctor specializing in sports medicine.

SPOTLIGHT

**BY
BRAD KIMBLE**

Someone once said, "Go west young man." So away we go. Alvin Britton, N6TXT, better known as Al, lives in Fair Oaks, CA. As a matter of fact he has been there for about 35 years.

Number 50198 was issued in 1989 to Al, which just happens to be the same year that he was first licensed. This shows that he was interested in Ten Ten from the beginning. Al currently holds a General class license and has garnered a handful of awards. He has concentrated mostly on the awards offered from Ten Ten. These include **Worked All States**, **Worked All Countries**, **Worked All Continents**, **OM/YL Award**, **Lucky 13**, **International 500 of the World**, and the **prefix Award**. Others that he has been awarded from his participation in paperchasing include the **Top Eagle Plaque** from the **American Wildlife** chapter in 1995.

Al's involvement in Ten Ten International goes beyond paperchasing. He is the **Chairman** of the **Nominating Committee**, and at this moment is working on getting everything ready for the upcoming election which will take place this summer. Because of his hard work along with his committee, we will have a nice slate of individuals to choose from for the various positions this time around. Then comes paperchasing. For almost 8 years, he has been part of the contacts and points collecting frenzy, having approximately 54 chapters on his list.

Al graduated from high school in 1948 and joined the Navy in February 1949. During his time with the Navy, he was in Korea, Japan, Guam, and Pearl Harbor. After spending a short rest at home, he was sent to Newport, RI and visited Europe and the Mediterranean. In 1953, he left the service, but only after he was able to see much of the world. Upon entering civilian life, he went to work as a grocer and retired in

operator and had a great desire to become a part of the hobby of amateur radio after retirement. He has enjoyed it so much, he just wishes he had done it earlier.

In 1954 he married his wife Mary Jane. They have 3 children and 6 grandchildren. They all reside in the Sacramento area, and as he says, "we have ample opportunity to spoil them." When he is not spoiling the grandchildren, Al enjoys playing a nice round of golf. Another one of his favorite hobbies is gardening. He is a member of the Elks Lodge, and is a past Exalted Ruler of Elk Grove Lodge #2577.

Loreen and I have been talking to Al since 1994 on 10 meters and have had the pleasure of meeting and visiting with him personally during a couple of the Reno bashes. He is one of the most enjoyable Ten Teners we have met, and I think we can all be proud to have him as a member of Ten Ten International.

ARRL Affiliation

by

Tom Henderson, K4CIH # 33233

As most of you may be aware, ARRL has affiliated clubs throughout "Hamdom". For the past few years the Business and Finance Committee has been gathering information regarding the possibility of 10-10 becoming affiliated with ARRL. There are several positives and very few negatives. The positive side to this is that 10-10 members can renew their ARRL dues through our organization. This gives 10-10 \$2.00 for each regular and senior ARRL renewal. In addition, for each regular and senior new membership in ARRL we receive \$5.00. Liability and equipment insurance is available to all members of ARRL. The "Club liability insurance" may be another matter. This might be of interest when holding meetings, conventions, etc. The negatives: There is only one that really comes to mind - what needs to be done in the data center arrangement to provide for the increase in work by our data manager, and how will he accommodate the ARRL business? Once this is arranged, I see no reason that we cannot pursue this project. However, all that said, brings me to how we best should approach the finalization of becoming affiliated. As it now stands we are qualified to join, in that we have better than 51% of our membership belonging to ARRL.

(continued on page 21)

10-10 Reflections

By
Morrie Goldman
W6EHM #4189

10-10 Historian

March 7, 1928 is a date that will always be cherished by all 10 meter enthusiasts. It was on that date that the Federal Radio Commission authorized the 28MHz to 30MHz band of frequencies opened for amateur use, effective immediately.

Twenty years ago, Chuck Albrecht, N0CKW #8105, then Editor of the 10-10 Spring 1978 Bulletin, published a very special edition commemorating the 50 years of 10 Meters. Here are some excerpts from the article, which appeared in that Spring 1978 edition:

1978—Fifty Years of Ten Meters By Roland F. Spooner, WB4NWG #12257

First reports put out by amateurs experimenting with the new band reported that the band was more satisfactory than any other; before the end of March, 1928, several stations had established communication across the continent. Their thoughts on the cross-continental communication were expressed that the "Kennelly-Heaviside layer" should have come low enough to permit such an opening, but hinted that the "layer" would soon rise and contact would fail: sound familiar? A similar condition also existed then on documentation of the new band that seems very obvious today when we feel Ten Meters is "dead." The band condition reports were from those amateurs who only operated in the daylight hours and, with very few exceptions, limited their operating time only to week-end activity. Also marking these reports inconsistent was the fact that they came from only a spattering of amateurs throughout the world.

In late March, 1928 and early April, 1928, communication was established between the Atlantic coasts and France, Atlantic and Pacific coasts to the midwestern states and Hawaii. On November 9, 1928, contact was established between the Pacific coast and New Zealand with signals reported to be on the order of R7 and R8, even from transmitters with an input as low as 10 watts.

Like the "pioneers" of 28mc, the efforts of those amateurs who use the band today have a

common bond, and with their continued devotion are managing to keep the Ten Meter Band one with a distinctly proud heritage and tremendous accomplishments.

The Spring 1978 Special Bulletin also included the article "Ten Meters—Fifty Years Ago" by Harry W. Bloechle, K4WP #9165.

In the April, 1928 QST in a small box in a lower corner of the page, the following appears: "FLASH! The band between 9.99 and 10.71 meters (30000-28000 KC) has been opened to general amateur use by action of the Federal Radio Commission at the request of the ARRL." So, Ten is here now—a new band is born prematurely. It wasn't due until January, 1929!

In QST's Editorial (May, 1928), K.B. Warner does mention Ten Meters:

"On of the things we must look into is this new 10-meter band of ours. It is now open to general amateur use. It contains 2000-KC., more than all of our bands from 20 meters upward. It is commonly supposed to be worthless because something happens to all waves shorter than 12 or 13 meters which keeps them from producing useful signals even at the Antipodes except under rare and very freakish conditions..."

In QST for June 1928, in the new column on Ten Meters, 6ANN suggests that the "ten meter gang" sign "ten" to avoid being mistaken for a 20 meter harmonic station...

The December, 1928 Ten Meter Column, now written by F.E. Handy, reported scores of 28 Mc QSO's and reception reports. In one report the remark was made, "My receiver had the 28-30 mc band crowded into 8-1/2 dial divisions, but by connecting a five plate midget condenser in parallel with the tuning condenser and connecting it to a good vernier dial with a long hard rubber shaft, I have been able to spread the band over 55 dial divisions."

These remarks by F.E. Handy provide the final touch: "With excellent radio conditions on 28 mc for the past month, the consistency of general communications has approached that obtained at 14000 KC. With methods of adjustment that overcome irregularities in the transmitting conditions, we shall find ourselves with a useful and excellent communications band to relieve the congestion on some of the other bands used for DX work."

And that was Ten Meters
fifty years ago.
73-K4WP

Marty Greenbaum, K2HTO #9732, writes that he appreciates the mention of his article "Ten Meters: Dead or Alive?" in the January 1998 10-10 News. He is semi-retired now and very proud of his daughter and two grandsons. He may write a sequel if he ever gets around to it!

treasurer's report

Keith Schlottman
KI7RK, #63324
10-10 Treasurer

STATEMENT OF REVENUES & EXPENSES - CASH BASIS
THIRD QUARTER - 1997-1998
1 OCTOBER 1997 - 31 DECEMBER 1997

	2ND QTR	YEAR TO DATE
REVENUE		
MEMBERSHIP DUES & FEES	\$23,559	\$52,674
SCHOLARSHIP DONATIONS	693	2,092
ROYALTIES & INTEREST	5,868	11,461
TOTAL REVENUE	30,110	66,227
EXPENSES		
POSTAGE & PRINTING -NEWS	8,359	21,101
OPERATING EXPENSES	3,696	8,037
SCHOLARSHIPS	0	4,000
ADMINISTRATIVE EXPENSES	3,207	10,255
TOTAL EXPENSES	15,262	43,393
REVENUES		
OVER (UNDER) EXPENSES	\$14,848	\$22,834

ARRL

(continued from page 19)

Recently received analysis from ARRL shows that of the 7010 records submitted by Gerry, 5450 are members of ARRL, 992 are not, and 568 were not found. This was, to say the least, surprising to me. As a member of 10-10 I would like to have an opportunity to vote on this proposal. Therefore I will recommend that we include something on the upcoming election ballot, to wit, should we or should we not become affiliated as a club with ARRL. I personally feel, as your President, that this matter should be put to you the membership. Your personal opinions are welcome, but please e-mail directly to me, k4cih@earthlink.net. I will make sure that the Board of Directors views your comments. More information concerning affiliation with ARRL can be read from their web page. Key in <http://www.arrl.org/field/club/>. Please make an effort to read this information. By the way, there is no cost to 10-10 for affiliation.

New Life Members

It is with pride that we honor the following members who have become the latest *Life Members* of Ten-Ten

You too can become a *Life Member* of 10-10
See details on page 31.

17416	WB7NUU	Barbara A. Vaughn
17538	K4ABD	Leslie D. Case, Jr.
18807	AD5F	James H. Ferguson, Jr.
20837	K8QJO	Guenther F. Noder
21486	DJ5DO	Gerhard Cierpka
22761	AG1F	Albert W. Hamilton
27918	PA2JSL	Johannes J. Scharroo
28735	WA3IWW	Arnold C. Price
34818	AB4WU	John W. Nutter
45234	KA1CNR	Claude E. Lockwood
49153	DJ4BE	Josef Pusch
50715	AB4QD	Paul J. Mosher
55792	WA3ZBN	Geraldine A. Loudon
57381	KE9XP	George D. Lear
58525	W3ZUG	Ferdinand J. Hasenstab
61825	W4CC	John M. C. Covington III
62376	K0YFJ	Rodney A. Williams
64425	KC4ZHZ	Gerard P. Verly
65315	KB9GVY	Robert Bonaguidi
67820	N5KG	Donald J. Hampton
67969	N0DK	Emil F. Wiegler
68823	KQ6BR	Wade P. Malcom
68909	DH4JQ	Peter Bruins
69161	K6CVK	William H. Olson
69346	KE4UTN	Glen H. Cochran

CLEAN SWEEP AWARD

We are pleased to announce an exciting new award designed to encourage participation in the 10-10 QSO Parties. To be eligible for the award, you must be a paid-up member and submit a log for each of the 5 official 10-10 QSO Parties during 1998 (Winter, Spring, Summer, Fall, and Sprint). Anyone submitting a valid log for all 5 parties will be eligible regardless of how well they placed in the contest.

Details of the award are still being worked out, but we wanted to publicize it now so that members will be sure to participate in the upcoming Phone party in February. The first awards will not be issued until early 1999. We expect to have a unique award for each year, so you will not want to miss the chance to start your collection with the first one!

STAY ACTIVE IN 10-10
CHECK YOUR ADDRESS LABEL ON PAGE 32
FOR YOUR DUES EXPIRATION DATE
RENEW TODAY IF YOUR DUES ARE DUE

10-10 AWARDS

AWARDS ISSUED THROUGH 28 February 1998

TOP TEN HONOR ROLL

Allen Mattis
N5AFV, #27571

CALL	10-10 #	CONT
WA5JDU	3017	23,800
W0RWC	518	19,400
WB1DBZ	26001	19,000
PJ2WG	27999	17,000
W4WKQ	33299	16,700
K5MRU	218	16,500
WB7NUU	17416	11,900
WA9LIC	1599	11,600
K0PV	9902	11,500
N5CUQ	40	11,400

500 BAR AWARDS

Dan Morris
KZ3T, # 41015

VP #	CALL	10-10-#
2943	KC1XP	67132
2944	NH6SJ	51801
2945	KD4TVB	63285
2946	N9KUW	64094
2947	N3FSC	46927
2948	KC5MRS	67899
2949	N3ORL	64576
2950	KF4MHY	67676
2951	KC7QKD	67668
2952	G3MDH	36143
2953	N0JNC	47260
2954	W8WVK	8007
2955	N3TSV	68156

1000 + BAR AWARD

Allen Mattis
N5AFV, # 27571

CHANGED YOUR CALL
or ADDRESS ?
NOTIFY 10-10

1000 BAR

CERT #	CALL	10-10 #
1432	DJ2YE	68904
1433	G4KHF	34443
1434	KA3VDN	56869
1435	N3NOP	63098
1436	K6RDK	65812

2500 BAR

373	K0NO	20423
374	W8HFK	24023
375	KB5UNX	64337

5000 BAR

NONE

7500 BAR

NONE

LUCKY 13 AWARD

Dan Morris
KZ3T, # 41015

CERT #	CALL	10-10 #
407	N7YBX	62538
408	NA9A	31121
409	KQ4PK	63201

VP AWARDS

Carl Fisher
W0HIK, #40678

VP - 100

CERT#	CALL	10-10-#
389	N0SYU	62326
390	KA4N	50786
391	N9VKE	66452
392	K6MVN	31623
393	W9OO	9973

VP - 200

192	N7QOZ	62599
193	K6RDK	65812

VP - 300

117	WA3GFM	48036
118	KA1LHO	48461
119	KQ4PK	63201

VP - 400

NONE

VP - 500

48 KC4LOR 56076

VP-600

NONE

WORKED ALL CONTINENTS AWARD

Mark Taylor Murphy
KC4HIT, # 57448

CERT # CALL 10-10 #
NONE

COUNTY HUNTER AWARD

Hank Richroath
WA5HWI, #63313

100 COUNTRIES

CERT # CALL 10-10 #

408 KB7ZPG 68357

200 COUNTRIES

NONE

300 COUNTRIES

148 WD5EDR 23693

400 COUNTRIES

120 WD5EDR 23693

500 COUNTRIES

NONE

600 COUNTRIES

NONE

700 COUNTRIES

NONE

800 COUNTRIES

NONE

900 COUNTRIES

NONE

1000 COUNTRIES

18 WB4FBS 48461

1200 COUNTRIES

9 K5GAY 11825

COUNTRIES AWARD

Russ Gauthier
N5EJS, # 1525

25 Countries

CERT # CALL 10-10 #
533 W3BSY 48096

35 COUNTRIES

295 W3BSY 48096

45 COUNTRIES

208 W3BSY 48096
209 W5USF 23660

55 COUNTRIES

146 W3BSY 48096

65 COUNTRIES

101 W3BSY 48096

75 COUNTRIES

(Continued on page 23)

SPRING IS BUSTING OUT
ALL OVER

(Continued from page 22)

73 W3BSY 48096

80 COUNTRIES

54 W3BSY 48096

85 COUNTRIES

54 W3BSY 48096

90 COUNTRIES

39 W3BSY 48096

100 COUNTRIES

34 W3BSY 48096

105 COUNTRIES

30 W3BSY 48096

OM/XYL

AWARD

Pat Hibbs
KH6OE, # 28842

BASIC - 10 TEAMS

CERT# CALL 10-10 #
NONE

25 TEAMS

391 KA3WWG 56860

**WORKED
ALL STATES**

Scott Brackeen
AI1M, #23966

CERT # CALL 10-10 #

2307 KA4N 50786
2308WA3GFM 48036
2309 LU5HEN 10334
2310 NOSYU 62326
2311 KR4JY 64404
2312 KJ7BB 47689
2313 KQ4PK 63201
2314 WB4FBS 48461
2315 K6EHA 65801

**WPX (PREFIX)
AWARD**

BILL MONTGOMERY
KB3GW, # 35517

100 PREFIX

CERT # CALL 10-10 #

233 N3TGB 68129
234 N0BZM 34967
235 N4ZCG 56067
236 K0JPW 4541
237 KV5F 20414
238 N1HAQ 31998
239 WB4FBS 48461
240 WA8ETY 67621
241 KA4N 50786
242 KB7ZGP 68357

200 BAR

120 K0JPW 4541
121 W9BZP 38229
122 N1HAQ 31998
123 WB4FBS 48461
124 N4ZCG 56067

300 BAR

72 K0JPW 4541
73 N1HAQ 31998

400 BAR

37 K0JPW 4541

500 BAR

24 K0JPW 4541

CW AWARD

Lee Zalaznik
KI6OY, # 50948

CERT # CALL 10-10 #

13 KA1ULN 62412
14 NA9A 31121
15 AI9L 68618
16 AF9H 68619

50 CONTACTS

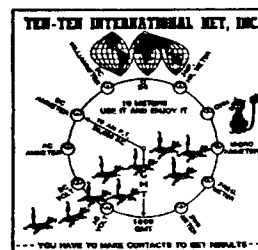
2 W1RFW 5759
10 N1WL 46677

MOBILE AWARD

DAVE BECKER
K7PRZ, # 47633

BASIC - 25

16 W2WCY
17 KK5DO 65027
18 N5AFV 27571



New Dues Structure

Chuck Imsande, W6YLJ # 19636, 10-10 Vice President and Chairman of the Business and Finance committee is pleased to announce that the sample "3 for 25" (3 years for \$25.00) dues renewal program used late last year was so successful that it is being implemented for all dues renewals. The sample program was used as a "President's Offer to Renew" and was sent to approximately 900 members who had not renewed their dues during the years 1995,96 and up to the mailing in 1997. The return was overwhelming and a study was conducted to determine if the same "offer" of 3 yeas for \$25.00 would be feasible for the regular member renewals on a regular basis.

The results of the study proved that if a member renews for three years rather than one year, there would be a considerable saving during the second and third renewal cycle. The savings are realized in the following areas: Two dues renewal notices mailed, two membership cards mailed, and the associated data processing fees. Other associated costs are in the savings of printing the membership cards, envelopes, and other supplies. Overall there would be a savings to 10-10. The proposal of the "3 for 25" dues renewal was presented to the Board of Directors and received a vote of approval.

The new "3 for 25" renewal program is being implemented immediately, and will be retroactive to 1 January 1998. For those who have renewed their dues for one year since 1 January 1998, we have a special renewal program for you to extend your dues an additional 2 years for \$15.00. Send your check for \$15.00, or your credit card number and expiration date to: 10-10 International Net, Inc., 643 N. 98th Street # 142, Omaha, NE 68114-2342. This will extend your current membership for two additional years for \$15.00, a saving of \$5.00 over the regular renewal price of \$10.00/year. This special renewal offer is good through 30 April 1998 only.

For our DX members, we have implemented a "3 for 34" (3 years for \$34.00) dues renewal program. This is a saving of \$5.00 over the regular \$13.00 per year renewal when

(continued on page 25)

**A REMINDER
PLEASE SEND YOUR
DUES IN - WE NEED YOU**

1998 WINTER QSO PARTY RESULTS

TOP TEN IN WORLD

CALL	QSOs	POINTS
LU3CT	349	917
LU1BJW	213	577
LU5HE	115	296
KQ4PK	158	293
KD4GW	161	293
AB6YQ	138	240
KF5UN	129	238
KB2MRI	128	238
KC6QXU	119	237
N4ZCG	130	232

DX AREA - INDIVIDUAL

CALL	QSOs	POINTS
LU3CT	349	917
VP2VF	123	145
DK3KD	70	107
F3CY	35	54
ZL1LE	17	35
ON7YO	24	33
G4DUW	27	32
VK3AFM	9	21
JA5GP/Jqp	3	6

U.S. CALL AREAS 1-0

CALL	QSOs	POINTS
KC1FV	110	206
KF5UN/2	129	238
W3CBC	100	188
KQ4PK	158	293
WA5JDU	114	182
KD4GW/6	161	293
KC7QKD	58	103
KC8IM	75	120
KE9WZ	99	189
K0DVY	43	84

CANADA

CALL	QSOs	POINTS
VE5BCS	12	20

SOUTH AMERICA

CALL	QSOs	POINTS
LU3CT	349	940
LU1BJW	213	577
LU5HE	115	296
CE3AF	82	228
PU3LSP	4	12

CARIBBEAN

CALL	QSOs	POINTS
VP2VF	123	145
WP4LNY	72	102

EUROPE

CALL	QSOs	POINTS
DK3KD	70	107
DJ5JO	53	86
DF9JS	48	74
DJ2YE	42	74
DL2KK	35	58
F3CY	35	54
DJ6DO	26	47
ON7YO	24	33
G4DUW	27	32
G3MDH	15	20
ON4EE	11	18
ON6CU	11	18
ON4CN	11	18
ON5CZ	9	16
G4WEY	10	15

ASIA

CALL	QSOs	POINTS
JA5GP/Jqp	3	6

AUSTRALIA

CALL	QSOs	POINTS
VK3AFM	9	21
VK6SMH	8	16
VK6MIN	8	16
VK6AR	7	14
VK6SO	7	14
VK6PP	7	14
VK6NKB	7	14

NEW ZEALAND

CALL	QSOs	POINTS
ZL1LE	17	35
ZL1BZK	10	26
ZL3JD	4	9

INDIVIDUAL - QRP

CALL	QSOs	POINTS
KB7UXP	41	76
N9UKX	32	62
W5DF	21	37
WB0VHH	21	37
WA0FQK	19	36
K10II	17	27
N8ZR/0	9	18

CLUB

CALL	QSOs	POINTS
NM5H	102	171
W5GCH	86	143
WB2HIW	16	32
W5RPT	16	31

AREA 1 - INDIVIDUAL

CALL	QSOs	POINTS
KC1FV	110	206
KD1YN	108	202
WA1DUZ	78	150
K1IEQ	78	145
W1MXI	50	98
N1WSD	48	91
KA1YHI	43	84
N1RYN	42	81
W1RFW	42	80
N1QVN	37	71
W1SIX	35	67
K1TXU	33	62
WA1EBJ	32	61
K1UR	30	59
N1STE	30	56
N1ZGP	26	49
AA1LH	14	29
KA1CRA	13	26
N1UKX	11	21
N1WL	6	11

AREA 2 - INDIVIDUAL

CALL	QSOs	POINTS
KF5UN	129	238
KB2MRI	128	238
K2HLC	121	228
WA2SUH	71	129
WA2FVL	65	118
N2OJG	53	97
N2EOC	52	96
KA2SKO	47	88
KG2GL	47	84
WB2STV	35	54
KB2WGQ	22	44
N2LD	20	36
N2QWR	16	33
WB2LLH	16	32
AA2KJ	14	28
N2YBC	16	27
AA2WM	12	22
N2LQQ	7	12
N5RYR	2	4
N5KSS	1	2

AREA 3 - INDIVIDUAL

CALL	QSOs	POINTS
W3CBC	100	188
KA3WWG	89	175
N3TGB	71	135
KA3VDN	50	90
N3LDY	44	84
N3GZE	39	72
NA3H	37	65
WB3BMA	34	63
KE3QH	31	61

WB3AEX	31	61
KZ3AB	31	57
KA3QOY	32	56
W3PWG	27	52
W3EHZ	25	43
N3WIZ	19	38
KA3AVB	20	37
K3ZNB	13	25
N3KHK	12	24
N2TDT	10	20
WB3AXP	6	12
W3VQY	3	6

AREA 4 - INDIVIDUAL

CALL	QSOs	POINTS
KQ4PK	158	293
N4ZCG	130	232
K4QFK	117	223
K4CIH	119	216
K4HTU	102	187
KL7NL	88	164
N4ANV	85	162
K4JRV	84	161
W4SKW	83	156
K9EHP	80	152
N4UGH	78	149
W4LPL	78	144
N7PUI	70	134
W1CRL	70	133
KD4YQE	69	131
KN4SS	61	123
KD4DNA	64	119
KE4UXB	60	118
KE4BGQ	62	117
N4EWG	63	116
KC4TBS	60	115
KC5FIO	57	113
KU4W	54	104
AE2L	57	103
WA4YMD	57	103
KS4IB	55	101
W4TBO	49	95
KC4JAN	44	85
N4OT	43	84
AB4HR	43	83
KR4OE	43	83
N2EGO	42	81
KB8QKV	40	78
N4ERM	37	76
W4CC	39	75
N4FBY	40	74
N4CVT	38	73
KC4RSZ	34	66
WD4BOW	32	63
WB7OND	31	62

(Continued on page 25)

(Continued from page 24)

W8SKP	30	61
AD4RX	29	60
K4PXO	29	58
W4WKQ	32	56
KE1HO	28	56
KF4SEV	27	54
KT4VP	31	52
KC4TBQ	26	52
KE4GYV	26	50
W4MXZ	25	49
WL7RB	25	48
KA4RVZ	20	43
KF4HBD	20	38
AD4TL	19	37
W4WJV	15	33
KE4HW	14	28
K1EK	13	21
KE4PRL	9	17
WA4NOT	6	11
K4RL	4	9

AREA 5 - INDIVIDUAL

CALL	QSOs	POINTS
WA5JDU	114	182
KC5BKT	92	176
N5MT	102	171
KK5DO	87	146
W5EFB	50	94
WB4FBS	48	89
KB5UNX	43	81
N5WYR	44	78
W5NDK	40	76
KB5VTB	30	60
WA5BBR	28	54
KM5FF	28	53
KX5B	27	49
K5CC	23	48
KG5NO	23	48
WB5PNL	25	47
WX5I	23	45
N5LHN	21	40
K5VKK	21	40
KA5VVD	22	37
W5EIJ	17	37
KC5ZFZ	18	36
N5DAS	18	36
KG5IT	18	35
WJ5O	16	33
N5VAV	18	32
N5AFV	16	31
KB5NAK	16	31
WD5EDR	12	26
N2JAS	10	21
W5UFA	10	20
N5XYN	5	12
WD5HJC	5	10
KB5OYV	4	7
N5KSS	1	2

AREA 6 - INDIVIDUAL

CALL	QSOs	POINTS
KD4GW	161	293
AB6YQ	138	240
KC6QXU	119	237
WB6NFO	128	231
K6VMN	97	179
KF6JFG	95	177
NV6L	80	150
WB6NYM	64	111
N6TXT	60	105
AC6QP	56	99
N6XD	41	84
WA6VLS	47	80
NV6I	35	77
KE6DSQ	41	79
N6YSQ	39	69
K6EHA	31	63
KB6UW	32	59
N6JQI	32	57
KI6G	28	51
K6VXY	24	47
WB6CZO	27	46
KE6KL	23	44
WA6RYL	21	41
W9KUP	22	41
AC6PX	23	41
W6SGT	20	38
KD6BYI	18	38
KE6RQQ	18	36
K0CSD	13	27
WB6SNW	12	23
AC6HF	9	20
KI6OY	10	18
KE6NMC	8	17
WA6GSV	9	16
N7WLC	8	16
N4DLA	4	8
KD4OSO	3	6
KE6GTR	3	6
KK6GN	2	4

AREA 7 - INDIVIDUAL

CALL	QSOs	POINTS
KC7QKD	58	103
K7XP	48	86
W7ILH	44	80
KA7CWS	40	76
K7PRZ	36	69
KJ7WJ	33	62
N7QHC	32	57
K7QLC	29	55
KC7QGW	25	46
WB7SWM	21	39
KC7ZRH	17	32
KF7PU	16	31
KB7ZGP	15	27
KC7FTH	11	20
W6YLJ	9	19
K6HAQ	9	14
KB6HW	6	12
KD6VLN	5	12
KI7RK	1	2

AREA 8 - INDIVIDUAL

CALL	QSOs	POINTS
KC8IM	75	120
KI8I	56	104
W8PJY	51	98
N9AG	50	98
W8JSM	48	96
KB8FGM	46	87
W8KVU	42	84
WD8MQJ	40	80
W8LBO	45	80
KC8FUZ	37	72
KI8CZ	32	61
N8GBE	23	45
W8IIO	21	40
WD8MZD	21	40
WD8PFD	21	37
N8JMV	17	33
N8UEC	16	31
KI8AK	22	25
W8TTS	11	18
W8KJ	9	18

AREA 9 - INDIVIDUAL

CALL	QSOs	POINTS
KE9WZ	88	189
W9OO	94	181
KB9OBL	85	155
AK9Y	83	149
W9GIG	67	130
WA9WE	61	117
N9LWN	61	116
W9CZA	57	112
N9VKE	56	110
W9IAI	58	109
N9SSG	57	108
WD9AQL	52	103
N9KJU	49	97
KE9VK	49	96
KB9JIF	47	89
WF9A	422	87
N9VIO	43	79
N9RZQ	43	78
ND9Y	40	75
N9ASC	38	74
KE9QW	38	73
WI9Z	37	73
WA9KIN	38	73
W9AX	36	70
N9UJC	35	69
W0DTR	33	66
NA9A	32	65
WA9TPQ	31	64
N9PQU	30	63
W9ETU	32	62
KD9XP	30	59
N9FWM	25	49
N9SRY	26	48
KF9TB	24	46
K9KKX	21	41
WA9OFH	19	37

KA9AMQ	18	35
N9VOK	13	26
KG9IL	7	14
KB9AMG	3	7

AREA 0 - INDIVIDUAL

K0DVF	43	84
KB0TUI	47	75
K0JPW	34	69
W0RTV	34	66
WB0RHR	25	45
W0ERZ	23	44
KF0EX	24	43
N0VMM	20	38
W0AKI	20	38
K0MYD	19	36
K0WEX	18	33
K5GAY	15	29
W0JDP	15	29
K5ERJ	16	28
WB0GGO	13	25
KD0IR	12	25
W0HIK	12	24
WB0QKN	13	22
N0XL	15	20
AA0LM	9	18
KB0MZE	9	17
KA0EIC	5	9
KC7KDZ	1	2

Chapter Scores on page 26

DUES

(continued from page 23)

renewing for 3 years. DX members who have renewed their dues subsequent to 1 January 1998, can add two years to their current membership expiration date by send \$21.00 for an additional two years of membership. DX members wishing to take advantage of this special "3 for 34" should send their dues to Carol Hugentober. Note this is for renewals only. New memberships for stateside and DX will remain the same, but will be eligible when they come up for renewal.

Mr. Imsande notes that while other organizations raise their dues, we have found ways to decrease them without affecting the membership services.

Chapter Coordinator's Column

(continued from page 14)

points each. Upgrades must be postmarked no later than 31 May 1998.

BB Fan - The CM, K4KHF is now accepting e-mail upgrades at gbten@globalnet.co.uk

Liars 2 and Metro Chapter - The CM will accept upgrades to the Liars 2 and Metro Chapter via e-mail. They should be addressed to wb2sjq@aol.com Marv prefers that you use AOL rather than Juno.

Lilac City - CH KJ7BB Warren Kelsey, S 1405 Crestline, Spokane, WA 99203. CM W7LBK, Earl V. Hawley, PO Box 14742, Spokane WA 92214. NCS, KB7ZGP, Bob Meenach, 2722 W. Heroy, Spokane, WA 99205. This net meets Saturday morning 1800 UTC on 28.390 Mhz.

Portland Bridges Award - does not figure in "total contacts" made in its point formula *except* for new members that are working for the St. John's seal.

Springbok - There has been a change in the rules for the **Worked 10 FM's**. This change was effective 1 January 1998.

1. Work any 5 South African stations, they need not have an FM number, just a Springbok number after 1 January 1998.

2. Work KC4RHW after 1 January 1998

3. Use the FM worksheet in your package

4. Submit the completed work sheet to your area upgrade manager for the 100 point bonus.

5. This does not apply to those who have already worked the 10 FM's. Only for those who have not submitted a worksheet for the 10 FM's worked.

Twin Cities - New award, *Passport to the Cities* is a numbered award and will be issued to any Twin Cities member that is visited by the Chapter Head and/or Certificate Manager. The Passport to the Cities is worth +25 to the recipient and collectible to all other members at the rate of +5 each one time only.

Points revision - +1 per 200 pts when your point value = 10,001 to 25,000, +1 per 300 pts when your point value = 25,001 to 40,000, and +1 per 400 pts when your point value = 40,001 to 50,000

(continued from page 25)

Chapter Scores

Chapter	Logs	Points
Possum Trot	37	4085
Steel City	21	1954
Battle Road	17	1558
Trotters & Pacers	14	1330
Houston SHOT	18	1329
City of Lights	16	1229
Golden Bear	12	986
CATT	15	969
Channel Islands	12	745
Chesapeake Bay	8	621
Tango	1	577
Neanderthal	6	446
Gateway	13	443
Arizona Desert	5	407
Bluebonnett	5	381
Fort McHenry	4	369
Republic of Texas	5	298
Suncoast	5	286
Bauxite	6	263
Cypress	2	261
Crazy Eight	5	234
Broken Hearts	1	216
Chief Seattle	4	171
Michigan Robins	2	157
Mo-Kan	4	153
Windfarms	4	148
Air Capital	4	160
Old Dominion	3	124
Borinage	5	103
Twenty Eight	6	88
Lilac City	2	77
Down Under	3	70
City of Roses	1	69
White House	1	63
Cradle of Liberty	1	52
Colorado Centennial	1	43
Oceans of the World	1	43
Branding Iron	1	37
Brooklyn Bridge	1	27
City of Melbourne	1	21
Pine State	1	11

BECOME A 1998 10-10 SCHOLARSHIP VOLUNTEER

Send your contribution for 1998 to the
Scholarship Manager, Morrie Goldman, W6EHM #4189
(address on page 2)

10-10 Internet Update

by
L. B. Cebik, W4RNL

Here are a couple of notes to help make your use of the tenten-I list more enjoyable.

1. Those new browser versions and HTML e-mail text: Some of the latest versions of browsers when used for e-mail come with HTML text as the default option. HTML is the coding system used to place text on the worldwide web. When viewed without a browser, it reveals all the codes that make it work as a plain-text maker with a browser.

Most folks using tenten-I do not use browsers to read their e-mail, so they see the entire set of codes. In some of the systems, the codes are so numerous that the text cannot be found within them. This forest of codes leads many subscribers simply to delete HTMLed messages without even trying to find the text. Your important question or message could well be missed.

The best procedure is to look at the options when composing an e-mail message. Try to find the one that will let you convert the HTML to "plain text" (or ASCII). Every system presently on the market can read plain text which contains only the standard plain alphabet, numbers and basic punctuation marks. For tenten-I, this is best. (There is an ISO code used in some parts of the world which also reads very well, with only an occasional punctuation mark or accented letter mistranslated into ASCII - and these are normally no problem to read easily.)

In fact, using the HTML option will likely block messages you send to LIST-SERV@LEHIGH.EDU. File GETting, SUBSCRIBE, UNSUBSCRIBE, SET, and POSTPONE all require that the command message be only text and be the first thing in the text that the automated system sees. HTML codes prevent the system from seeing your message.

2. Virus warnings, chain letters, and the like: In recent months on a lot of lists, folks have fallen for a number of hoax letters warning of viruses, FCC actions, terminally ill children and sundry other "problems." There are so many of them circulating that we all need to take special care in handling them.

First, do not distribute any such message on

tenten-I (or any other list to which you subscribe).

Second, check the content of the message with a reliable source. If it is a message that appears to be a scam concerning your provider, contact your provider at his normal address (not the message return address) to verify the authenticity of the message. If the message is about a possible virus, legal action, etc., check it with the list coordinator. If I do not know from information received I can always check with Jim Eshleman, our Lehigh host (and honorary life member of 10-10).

In general, if the message comes from a source you cannot immediately identify as being among sources known to you, and if it asks you to do something - do not do it. Do not believe it until you have it well confirmed.

Most of these messages are hoaxes designed to be a virus of the e-mailer's mind - to worry us to death about one or another form of doom. The only way to cure the system of them is to break the chain. If real problems emerge, reliable sources will notify you in ways that are unmistakable.

3. SPAM: SPAM is commercial mail distributed by unscrupulous folks via any e-mail list to which the sender can gain access. Fortunately, Jim has set up tenten-I to be as SPAM-free as is technically possible. If you receive any SPAM, it likely comes from a source other than tenten-I since your e-mail address can be obtained from many sources. However, if you do get SPAM and suspect it is leaking through tenten-I, please let me know instantly. No need to address the list as a whole, since the only cure is through the system, and the tenten-I coordinator is the conduit to the system.

Happily, SPAM is getting more rare as more systems find ways to block it from even trying to enter. So there is no need to add "NO SPAM" to your return address on tenten-I (as some subscribers to other lists are forced to do).

So with Spring upon us - meaning the propagation and daffodils are coming up - let's forget the problems and get back to communicating effectively. Remember, the sunspots never set on the internet.

73

L.B., W4RNL
tenten-I coordinator

VISIT THE 10-10 WEB SITE

<http://www.lehigh.edu/lists/tenten-I>

(Note - The last letter in the address is a lower case "L" and not a number "1")

NET NEWS
by
Bill Marple, AA6ZW

Well, here we are in the Spring of the year, and what a year it has been so far. The sunspots have been up for a good deal of the time, and propagation has been excellent. Net activity is increasing daily, and our net controllers are really 'earning their pay'. How great it is hearing all those new stations with new numbers, and so many of our "old friends" again. I thank and comment all of you for your support of our nets.

In January, Bill WB6OMH # 6608, retired as net control on Thursday, 28.800. Bill is and has always been a strong supporter of 10-10 and a faithful net controller for many years. It has been a real pleasure working with him. Bill has assured me that he will continue to participate in the nets regularly. We all wish him well, and thank him for his dedication and loyalty. Replacing Bill is Carl NU6V #67317. Carl will be calling the Thursday net on 28.800 from his QTH in Anaheim, CA. Let's all give Carl a hearty welcome along with our full support.

In the January issue of the News, I asked for volunteers to act as assistant net controllers. Brian, KC7QKD # 67668, in Glendale, AZ contacted me and volunteered his services to assist Chris, N7PVL # 58018. Chris is net control on Wednesday, 28.380. Thank you Brian. We appreciate your help and your interest in 10-10. I am sure Chris will appreciate your help too. We need more folks like Brian to help out on our nets. If you are interested drop me a line or e-mail me at aa6zw@compunetlink.com. Do not use AOL, as I am no longer a subscriber.



10- 10 Net controllers get together. L-R are Louise N6ELK # 36654, Don KB6QLC # 42822, Scotty WA6TQC #71 and Bill AA6ZW # 62075

A new personalized 10-10 coffee mug is now available for member purchase. This new plastic mug has the 10-10 logo on one side and is personalized with your call, name, 10-10 number and city and state on the other side. The cup has black printing on a white background. The price of the new official 10-10 coffee mug is \$8.50 to Rick Pourciau, NV5A # 49338 at 879 Castle Kirk Drive, Baton Rouge, LA 70808-6020. Be sure to include your name, call, 10-10 number, city and state. Allow a minimum of two weeks for delivery.

New Official 10-10 Contest & County Hunting Program

10-10 is pleased to announce that Jim Hardy, K4HAV # 17605, has been appointed as an official supplier for the 10-10 Contest and County Hunter Programs.

The K4HAV 10-10 Contest Program has been used by many 10-10 members since its introduction for the Summer 1990 Phone Contest. The program has the capacity for 2500+ contacts, and each QSO is written to disk as logged so contacts are not lost in the event of a computer crash or power failure. The program prints out your log and scores and also prints out a dupe sheet for use when submitting your log. Some of the features include on-screen help, on-line duping - both by call and 10-10 number, automatic DX country recognition, beam headings and distance for DX stations and display for requested DX prefix or country. It also displays states needed for "contest WAS." A QSL program, for printing QSL labels is also included. Support within the program for most of the popular callsign data base programs. There are also many other features too numerous to mention in this article. A flyer with all of the program features listed is available from the address listed below.

The other popular K4HAV program is the 10-10 County Hunter Program. This program was introduced at the 1991 National Convention in Arlington, TX, and has been used by 10-10 members to track counties worked on 10 meters. All 3076 counties are in a file, which is read into memory. At the field to enter "County Name" a pop-up window appears with the counties and a county number for the state in question. The county number is entered (1-3076) which reduces typing and prevents any county spelling errors. Counties worked, needed, or all counties can be displayed in a pop-up window for a desired state. When over 100 counties are worked, a county bar application can be printed. The counties submitted are flagged so they cannot be counted or submitted again. Although the county hunter program is dedicated to county hunting, it

is also a multipurpose record-keeping system and has the following additional features:

1. A 10-10 number record system that prints applications for the 10-10 bar award
2. DX country record-keeping and prints applications for the 10-10 DX award or upgrades
3. Keeps VP numbers and prints applications for the VP bar and VP WAS awards
4. Prints the 10-10 WAS award
5. Separate WPX and Mobile programs check the data file and finds all the different prefixes and mobile stations

The K4HAV Contest Program and K4HAV County Hunter Program are both supported with technical help.

Updates and more information are available from the web page: www.surfsouth.com/~hardy/1010.htm

For additional information and an order form, send a SASE to: Jim Hardy, K4HAV # 17605

P.O. Box 7304

Tifton, GA 31793

An informational flyer and order form is available by sending an e-mail request to:

jhardy@surfsouth.com

Please include your name and address including your zip code.

10-10 AWARD INFORMATION

To apply for any 10-10 Award, **Proof of paid-up membership is mandatory.** A copy of your membership card or address label from the latest copy of the **10-10 International News** must be sent with your application.

An application listing the rules for each award is available from the Awards Managers listed below. Please send a request with a #10 (business size) envelope, stamped, self-addressed, with one unit of first class postage to the Award Manager for the Award you are interested in obtaining. Please no phone calls to Award Managers for an application or list of rules.

BAR AWARDS

Work 100 10-10 members on the air and exchange call, name, location and 10-10 numbers. List these 100 numbers in numerical order, along with call sign, date of contact, name, and QTH (State or Country). The BAR Awards do not require an "official" application form, just a list as noted above. Send BAR applications with an SASE to the following BAR Managers:

BAR APPLICATIONS 100-900

Dan Morris, KZ3T # 41015112 Royal Oak Court
.....Lenoir, NC 28645

BAR APPLICATIONS 1000+

Allen Mattis, N5AFV #275715314 Wigton Drive
.....Houston, TX 77096-5115

CERTIFICATE OF AWARD

A *Certificate of Award* is available when attaining the 1000, 2500, 5000 (and for each additional 2500) BARS at a cost of \$2.00 plus two first class stamps. Send your *Certificate of Award* application to the 1000+ BAR Manager. (Note: Plaques have been replaced by Certificates. Plaques are no longer available.)

INTERNATIONAL 500 OF THE WORLD

With the 500 BAR comes an Honorary VP Number, membership in **International 500 of the World**. A certificate is available for the International 500 of the World for \$1.00 plus 2 first class stamps. Once the 500 BAR is attained, you may go after the following awards:

VP BAR AWARD

Contact 100, 200, etc. 10-10 members with a VP Number and submit a list in numerical order, VP#, 10-10 #, call, date of contact, name, and QTH. See the VP Bar rules on the Tenten-I web page or send an SASE for rules to the Award Manager. Send your list, along with 2 first class stamps to:

Carl Fisher, W0HIK #406785 Angelina Drive
.....Augusta, KS 67010-2262

LUCKY 13 CERTIFICATE

Dan Morris, KZ3T # 41015112 Royal Oak Court
.....Lenoir, NC 28645

VP WORKED ALL STATES

Carl Fisher, W0HIK #406785 Angelina Drive
.....Augusta, KS 67010-2262

CONTINENTS AWARD

Mark Taylor Murphy, KC4HIT #57448
.....108 Old Country Lane
.....Claremont, NC 28610-9561

COUNTIES AWARD

Hank Richroath, WA5HWI #63313 ...1004 S Howeth Street
.....Gainesville, TX 76240-5904

COUNTRIES AWARD

Russ Gauthier, N5EJS #15258816 HWY 165
.....Pollack, LA 71467

CW AWARD

Lee Zalaznik, K16OY #50948334 Olivina Avenue
.....Livermore, CA 94550

MOBILE AWARD

Dave Becker, K7PRZ #47633PO Box 3346
.....Portland, OR 97208

OM/XYL AWARD

Pat Hibbs, KH6OE #288424603 Glenna Way
.....Louisville, KY 40219-2814

WORKED ALL STATES AWARD

Scott Brackeen, A11M #2396693 CR 3271
.....Booneville, MS 38829

WORKED ALL STATE CAPITALS

Paul Johnson, N4JII #377082311 CCC Road
.....Dickson, TN 37055-4230

WPX (PREFIX) AWARD

Bill Montgomery, KB3GW #35517PO Box 7183
.....Las Cruces, NM 88006

Attention - Mom's and Dad's

- Do you have a teenage boy or girl that has their
- ham license, and their own 10-10 number? Or
- maybe you know of a teenager of a friend that is
- a ham and has a 10-10 number. We are looking
- for teenage hams that are 10-10 members for our
- column "The Future of Amateur Radio"
-
- The NEWS would like to do a feature story about
- your teenage son, daughter or friend. Send infor-
- mation and a picture to the Editor, the address is
- on page 2 this issue of the NEWS.

Membership Information and Services

The following information is supplied to provide a ready reference on how and where to send your 10-10 dues, and where to purchase items offered for sale by 10-10.

Make all checks payable to 10-10 International Net, Inc. Please list your call and 10-10 on your check. Do not send cash. All DX are reminded that money amounts are quoted in US Dollars. DX members please pay by International Postal Money Orders.

NEW MEMBERSHIPS

New member applications should be sent to the Omaha address listed below. Dues for 10-10 membership are \$10.00 per year for members with a USA ZIP code and \$13.00 per year for DX members. You may pay your dues for multiple years. A membership application is included in the 10-10 Information Manual and in the New Member Brochure.

Mail new member applications with USA ZIP code to:

10-10 International Net, Inc.
Attention: New Member Application
643 N. 98th Street #142
Omaha, NE 68114-2342

Mail new member applications for all DX to:

Carol Hugentober, K8DHK #29588
DX Area Manager
4441 Andreas Avenue
Cincinnati, OH 45211-2622 USA

All correspondence regarding membership services should be addressed to:

10-10 International Net, Inc.
643 N. 98th Street #142
Omaha, NE 68114-2342

DUES RENEWALS

10-10 dues are \$10.00 per year or 3 for \$25.00 for members with a USA ZIP code and \$13.00 per year or \$34.00 for 3 years for members with a DX address.

All USA members (those with a USA ZIP code) send dues renewals to the following address:

10-10 International Net, Inc.
Attention: Dues Renewal
643 N. 98th Street #142
Omaha, NE 68114-2342

All DX members send dues renewals to:

Carol Hugentober, K8DHK #29588
DX Area Manager
4441 Andreas Avenue
Cincinnati, OH 45211-2622 USA

FAMILY MEMBERSHIPS

Family Membership consists of a primary member and one or more relatives who qualify as a 10-10 member and who reside at the same location and postal address. Family Membership run concurrently with that of the primary member. Add \$3.00 for each additional Family Member for

each year. Only one copy of the 10-10 News is mailed to the primary family member.

LIFE MEMBERSHIP

Life membership is available to USA members for \$250.00 and for DX members for \$325.00. Senior Life Membership is available for those over 65 (with proof of age) for \$85.00 US members and \$100.00 for DX members. You must be 65+ to apply for Life Membership. Family Life Membership is available for \$75.00. Family life membership ends when the regular member becomes an SK. Send all life membership applications to:

10-10 International Net, Inc.
Attention: Life Membership
643 N. 98th Street #142
Omaha, NE 68114-2342

Life memberships are available on a three year payment plan. For an application for time payment Life Membership, send a #10 SASE to the address above.

CALL/ NAME/ ADDRESS CHANGE

Send all change of call, name and address to the following address:

10-10 International Net, Inc.
Attention: Address Change
643 N. 98th Street #142
Omaha, NE 68114-2342

10-10 INFORMATION BROCHURE

The 10-10 Information Brochure, an 8 page brochure of everything you would want to know about 10-10 is available for \$2.00 postpaid (USA or DX). Send your request, along with a return address label (no SASE required) to:

Mike Elliott, KF7ZQ #54625
10-10 Information Manager
9832 W. Gurdon Court
Boise, ID 83704-4080

SCHOLARSHIP DONATIONS

Donations to the 10-10 Scholarship Fund are requested from each member on an annual basis to help fund the three \$1000. 10-10 Scholarships. Your check should be made payable to the 10-10 Scholarship Fund, and should be sent to the following address:

Morrie Goldman, W6EHM #4189
10-10 Scholarship Manager
21518 Marjorie Avenue
Torrance, CA 90503-6418

A *Certificate of Appreciation* will be sent to all who make a contribution to the Scholarship Fund.

10-10 STAMPS

Self-adhesive 10-10 stamps that can be used on QSL cards, correspondence and envelopes are available for \$5.00 per 144 stamps. Send your order to:

10-10 International Net, Inc.
Attention: Stamps
643 N. 98th Street #142
Omaha, NE 68114-2342

10-10 STATIC CLINGER LOGO

The 10-10 logo with a static cling backing that will cling to almost anything. This attractive 4" x 4" logo is a solid gold background with black printing. Use on notebooks, briefcase, car windows, etc. Price: 2 for \$1.00 postpaid. Order from:

10-10 International Net, Inc.
Attention: Static Clinger
643 N. 98th Street #142
Omaha, NE 68114-2342

AWARDS & CERTIFICATE GUIDE

The official Awards and Certificate Guide of 10-10, along with complete chapter information, is available for \$6.00 USA ZIP codes and \$8.00 to DX. A monthly update is also available for \$10.00 per year USA and \$12.00 DX. Send your order to:

Brad Kimble, WA4KUP #55192
3855 66th St. E
Inver Grove Heights, MN 55076-2222

10-10 ROSTER

The complete 10-10 membership list is available in hard copy or on computer disk.

Hard Copy Roster - The hard copy is printed on both sides of 8-1/2" x 11" paper 3-hole punched. The roster lists 10-10 number and call. SK's are identified. It is issued once each year in January. Cost of the printed roster is \$11.00 US and \$14.00 DX postpaid. Only a limited number of copies are printed and are sold on a first come, first serve basis. Advance orders are accepted.

Roster on Disk - 10-10 offers two different Rosters-on-Disk. One, known as XXIQ will search for call if 10-10 number is known and for 10-10 number if call is known. XXIQ is available on 3.5" (1.44MB) disk. It will run on IBM compatible computers. The other 10-10 Roster-on-Disk is known as XXIP and is available only on 3.5" (1.44MB) disks. It is contained on 3 disks and requires DOS 3.3 or later and 16 MB of hard disk. This program will locate 10-10 number, call and will display Name, Address, City, State (or Country), membership status, expiration date, SK status and will print address labels. Rosters on DISK are published each quarter, in January, April, July and October.

Cost - Cost of XXIQ is \$5.00 per issue, or \$17.50 per yearly subscription US members. DX cost is \$7.00 per issue or \$25.00 per yearly subscription. Cost of XXIP is \$10.00 per issue US or \$13.00 DX. Roster on Disk are shipped prepaid. Order 10-10 rosters on disk from:

10-10 International Net, Inc.
Attention: Roster
643 N. 98th Street #142
Omaha, NE 68114-2342

Be sure to note which program you are ordering.

FCC FORM 610

The latest issue of the FCC Form 610 is available from 10-10 for a #10 SASE. Send your request and an SASE with one first class stamp to:

Mike Elliott, KF7ZQ #54625
Attention: FCC Form

10-10 QSO PARTY COVER SHEET

SPRING CW PARTY - 0000Z 2 MAY TO 2400Z 3 MAY 1998

CONTACTS	NO. OF CONTACTS	MULTIPLIER	POINTS
WITH 10-10 NUMBER (DX ONLY)		X 3	
WITH 10-10 NUMBER (NON DX ONLY)		X 2	
WITHOUT 10-10 NUMBER (NON DX AND DX)		X 1	
TOTAL QSO PARTY POINTS (SUM OF 3 LINES ABOVE)			

ENTRY IS: ☐ Individual ☐ Club ☐ QRP

Chapter Assignment (if any) : _____

Call Area or ARRL Country you operated this QSO Party from: _____

LOGS MUST BE POSTMARKED ON OR BEFORE 18 MAY 1998

SEND LOGS TO:

Possum Trot Chapter
c/o William Kelchner, KU4W
9946 Rockfish Road
Raeford, NC 28376-7036

A PHOTO COPY OF THIS
PAGE IS ACCEPTABLE

CHECK LIST

1. Proof of Membership (This page or a photo copy showing your address label OR a copy of your membership card)
NO ☐ YES ☐
2. DUPE Sheet(s) enclosed: NO ☐ YES ☐
3. Log in UTC Date/Time: NO ☐ YES ☐
4. Cover Sheet for this QSO Party: NO ☐ YES ☐
(A cover sheet for any other QSO Party is unacceptable)

ALL CHECK ITEMS MUST BE YES AND ALL BLANKS IN THE SCORING BOX
MUST BE FILLED IN TO BE AN ACCEPTABLE LOG SUBMITTAL

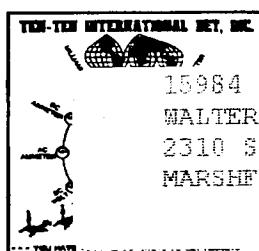
10-10 International Net, Inc.
643 N. 98th Street #142
Omaha, NE 68114-2342

TIME TO RENEW? EXPIRATION DATE
IS ON MAILING LABEL BELOW

PRE-SORTED
FIRST-CLASS MAIL
U.S. POSTAGE
PAID
OMAHA NE
PERMIT 1799

FIRST CLASS

Forwarding and Address
Correction Requested



APRIL 1998 (SPRING)