



CROSSTALK

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NO.6
 W2LWV James Peck.
 W2LWV James Peck.

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1963 Officers

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 Vice Pres. Fella Parker W2AFZ
 Secretary Bernie Cohen K2QJX
 Treasurer Harry Perry WA2LAZ
 Corr. Sec. Paul Walton W2YNR

1963 Directors

Tad Leuber W2CKX
 Jim Peck W2LWV

Van Turner W2KEE
 Mal Mason W2MMD

C. Sketchley K2PQE.
 Max Richmond WA2SPY

MEETING NOTICE

THE REGULAR MONTHLY MEETING OF THE G.C.A.R.C. WILL BE HELD AT THE OWENS-ILLINOIS CLUBROOM ON WEDNESDAY JUNE 5th, 1963. THE SPEAKER WILL BE A REPRESENTATIVE OF THE N.J. STATE POLICE. HIS TOPIC WILL BE A DRUNKOMETER EXHIBITION AND SHOULD BE VERY INTERESTING.

WED. JUNE THE FIFTH.....

EDITORS COMMENTS:

Due to the fact that there will be no meeting in July, there may also not be a publishing of CROSSTALK. This is not final and if there is a lot of material in the mails there may be an issue. This past month saw the mail coming into this QTH as it has never done before. For this I am very grateful and this is the way it should be. So it seems to me that some of the committee chairmen and other club members are finally finding out that this medium can do them and the club a great service. So thanks to those who have learned to use CROSSTALK and may this serve as an invitation to those who have as yet not done so.

Also the series 'Profile of a Ham' will very shortly come to an end if there is no further information of this type. So if you have enjoyed this in the past please send in a little bit of information on either yourself or a friend in the club.

YOU ARE A KXY PERSON.

If you'll read what follows all the way to the end you may feel yourself rewarded by leading you to think more highly of yourself. We are sorry we are unable to tell you the name of the author:

Even though my typewriter is an old model it works quite well except for one of the keys. I wish many times that it worked perfectly. It is true that there are forty-one keys that function well enough, but just one not working makes the difference.

Sometimes it seems to me that our organization is something like my typewriter--not all the people are working properly.

"You may say to yourself, 'Well, I am only one person. I won't make or break a program.' But it does make a difference because any program, to be effective, needs the active participation of every member. So the next time you think that you are only one person and that your efforts are not needed, remember this article and my typewriter and say to yourself, 'I am a "key" person in our organization and I am needed very much!'"

Ed's Comment---- Boy after that if anything comes out good in this issue it will be a miracle.

FOR SALE--

JOHNSON VIKING II 180 Watt CW, 135 Watt AM, 160 thru 10 Meters.

2 Years old.....\$170.00

JOHNSON VIKING I22 VFO \$20.00 both for \$180.00

SX-100 Mark II -- \$200.00

All of the above- which makes a complete station \$360.00

Station is currently in operation and will be glad to demonstrate.

Reason for selling-- want to go SSB.

Anyone interested contact Glenn Morgan WA2QHQ

Make Offer-- Anyone interested in buying an HRO-5 RA-I Complete with a B&W Model 70 Sideband Converter contact Ed Patterson W2PJW

He is selling out and will try to get a 75A-4 .

REMEMBER THAT ALL ARRL WIAW SCHEDULES ARE NOW ON E.I.S.T.

OFFICIAL ARRL BULLETIN NR 897.

The FCC has ordered that fees for handling license renewal applications in all radio services will become effective January 1, 1964. For amateurs, initial and renewal applications will require a four (4) dollar fee, modifications such as a change of address two (2) dollars, special call signs twenty (20) dollars. Novice and RACES applications are exempt from fees. See July QST for details.

MEETING DATE IS JUNE 5th, AT Owens-Illinois Clubhouse at 8 P.M.

MEMO TO : ALL G.C.A.R.C. MEMBERS

FROM: JACK LAYTON K2JKA

In our country I am sure that there are many Hams who feel, as I do, that they would like to be of some service to their respective communities. Well heres your opportunity! An AREC group is being formed in Gloucester County. AREC is not a part of organized CD but at times could work hand in hand with CD. In certain cases it becomes desirable to have an independent group of amateurs that are able to function on their own. With an organization of this type, amateur radio can be made to play an important part in community affairs, public service and disaster work. AREC is sponsored by the ARRL. You need a well organized group of individual amateurs, banded together , and able to provide small or large scale communications facilities on an emergency basis to any individual or community in need of same.

To achieve this will require a certain amount of training. Each one of us must be able to provide a link in a long chain. Plans are being made for a drill session at least once every other week, on the air, to take up such subjects, as the proper handling of messages, emergency mobile operation and how to conduct a net. In all probability we will utilize the six meter band since the majority of local amateurs are set up for operation on this band. If enough interest is generated in ten meters or two meters there will be no problem to expand into these areas.

A project of this type can be molded into a group that you can be proud to be associated with. I strongly urge you to consider the possibilities of this type of work. While providing valuable public service you can gain personal satisfaction as well as recognition for your amateur work and amateur radio in general.

I hope to have a lot more information and the necessary applications at the June meeting. Your comments and ideas would be much appreciated.

* * * * *

Attention DX'ers ARRL Bulletin NR 895.

Announcement is hereby made of the addition of GLCROSSO Islands to the ARRL countries list. These islands are French territory under the administration of the Overseas Dep't of Reunion and are located off the tip of the Malagasy Republic, which separates them from Reunion. See QST for details....

ARRL bulletin NR 898.

Announcement is hereby made of one addition and five deletions from the ARRL countries list. The deletions effective as of May 1, 1963 are JZØ Netherlands New Guinea, PK1, 2 3 Java, PK4 Sumatra, PK5 Netherlands Borneo and PK6 Celebes and Mulucca Islands. The addition to the list is PK Indonesia. This listing will encompass the entire territory of Indonesia. Confirmations for creditable contacts with PK made May 1, 1963 or later may be submitted for DXCC credit starting September 1, 1963. Attention is called to the fact that at the present time, Indonesia is on the ITU banned list AR.

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ED's Comment.... The following was swiped from a letter to AFZ from WA2RGK based on an interview with Lee Kent w/ZQS/PJ5, and also from May SCARA News.

There is now being built on Caracac the world's most powerful radio station. It will be part of a missionary network which also operates a station in Monte Carlo. The prime target will be Moscow and the station will be capable of transmitting a nominal power of 500,000 watts output. The effective power will be 50,000,000 watts , using a dipole for a reference. This is on HF. There will also be another 500,000 watt station operating on the broadcast band and its effective power will be 2,000,000 watts using a dipole for a reference.

These will be the worlds most powerful stations. It is expected that they will start broadcasting late in 1963.

Sophisticated present day techniques using back scatter propogation research(a form of low freq. radar) will enable them to determine to some extent how their signals are penetrating the iron curtain.

Lee by the way may often be found on 14.3 Mcs SSB or 14.1 Mcs CW so if you hear him in there one day give him a shout and mention this article in CROSSTALK. With so many local friends i'm sure that someone will get through to him and say hello.

Here is another FB article by Howard Hirst K2QGH the Hamfest Publicity Chairman...

Well, fellows another month has flown by, meaning that we are getting closer to our annual 'Hamfest'. For those of you who didn't get to read their copies of 'CROSSTALK', (Heaven forbid Howard, Ed., the SKAR's annual Hamfest will be held at Crystal Birch Lake, Chapel Heights, N.J., on the 1st Sunday in August, August the 4th., beginning at approx. 10 A.M. and lasting all day, until everyone goes home; when that will be no one knows.

Crystal Birch Lake is just about two point nine (2.9) miles East of Glassboro. Starting at Greentree Road, just across the street from the G&L diner at the point where Greentree road and the Deisen Drive (Rte 47) meet you would go East for 2.9 miles. Of course where required there will be signs placed at these point to help out our friends from across the river.

Your Hamfest committee headed by Gil Hillman, chairman, has been busy getting things to-gether for this day, and everything is progressing fine at this time. Features for the day will be swimming; plenty of refreshments will be available at the stand. Marty Stankard WA2TUL, and his committee will see to this. We will also have a Swap Shop, and Bob Sherkar WA2RFB is heading this department, so you can get that gear that you want to sell ready and give the Swap Shop a chance to sell it for you. This will be doing you, the club and Bob a lot of good.

Another activity will be the transmitter hunt; this will be headed up by Cliff Brown WA2KGI, and Cliff says that the Hunt this year will be conducted on six meters and that you had better wear your old trousers for getting down on your knees to find the transmitter. I believe that Jack Layton is assisting Cliff on this so look high and low.

Ted Noe WA2RCX is heading up the games committee, and he promises that there will be games galore for the kids and lots of prizes also. (Ed's note: I Hope that he doesnt forget to get that game for the YL's and XYL's.)

Special entertainment will be taken care of by Don Thomson WA2TSG, and we are led to believe that Don is arranging for the repeat of last years thrilling air show. This is the model airplanes and was given by the Salem County Radio Control Club. This club does some outstanding things with Radio Controlled Airplanes, and has won many prizes and much recognition with their handling of these little air planes, and we are looking forward to seeing this again.

Ron Trostel WA2KRY is heading up the grounds committee, and will be on hand to see that everyone has parking space, and to take care of things in general ,towards keeping the site in order for the day.

We expect to have many prizes, prizes for the kids, the XYL's, YL's and of the OM also. (Wouldnt be a hamfest without these, HI.) Merrill Weiss WA2HJD, is heading up the Prize Committee, with the help of Bernie Quinn. Bernie will also take care of his regular job, that of taking tickets at the gate. HI. Bernie is an old timer on ticket taking hihi. By the way if every member could manage to get one donation for a prize, it would really be a big help towards making the prize pile higher, and everyone might go home with a prize. Something to remember the Hamfest by like a 75S-3 or something. HI.

Posters for advertising the affair are on the way, courtesy of Milt Goldman, and should be available soon for anyone that has a good spot to put them in. Dont forget to get a poster if you have a good spot for one.

You can also help in making this a success by remembering the Hamfest and while on the air talking it up. Do some advertising for the club. Talk it up fellows, will you?.

Oh yes, the most important thing of all. Admission will be \$1.50 for hams, OM's or SFL's singly; as this is a family affair, price for the entire family is \$2.00; where else can you get a bargain like that? An entire days outing in the country for the entire family for a \$2.00 bill?.

In order to help out our neighboring hams ,should they get lost (or to keep them from getting lost) we will have talk in. Talk in will be conducted by use of the club call WA2NGI from the grounds at Crystal Birch Lake and will be on two and Six meters. Frequencies are Two meters 145.1 Mc . and on Six meters 50.52 Mcs. and they will tune.

Since there will be another one or two issues of CROSSTALK before the Hamfest we

will keep you posted on how things are progressing; just read CLOSSTALK.
de K2QGH Publicity Chairman.

XX

ED's Comment: Well I sure thank Howard for a mighty nice job and it is evident that Gil and the entire Hamfest are going all out of it this year. About the only thing that seems to still be lacking is what happens in case we are rained out? I hope that this has been considered and that plans are,being made for this eventuality But we all know that we will not be rained out .

Profile of a Ham...

Max Richmond WA2SFY...Max has been married for over 34 years and has one son. He is active in the Lions clubs and also is interested in boating. He first was licensed in 1921 and build his first receiver about that time. He they kind of dropped out of ham radio and then came back with a vengeance. He is now on six meters with a potent signal and has recently bought a HC-170 in order to hear the weak ones . He is a director of the club and his other hobbies are fishing. He is employed by FuPonts and therefor a lot of his six meter activity is directed towards Del. and Md. I really think that he looks for info on how the fish are biting. HI... So some of you newer fellows when you hear Max on six give him a call and he will be pleased to come back and chew the old sock a bit.

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Profile of a Ham...

Wayne Wood W2SUA (Shorty)...

Shorty is married and his XYL Betty is studing for her general ticket, and we sure hope that she makes it and gets on the air.

Shorty first started out in amateur radio about 1937 as a bootlegger. After a few years of this he got tired of working outside the law and in Jan. of 1940 he wend legit as W3JNS. At that time he worked 160 meter fone and 40 and 80 meter CW. Then after the war he went on to ten meter fone as W2SUA and did some work on 10 and 40 CW. He is now in his new home and is real hard at work trying to get back on the air before the bands crack wide open. At the last count (if I recall correctly, Shorty had about 160 countries worked and this is no mean task), and he wants to continue this DX string. He has his "shack" almost completed now and take my work for it, it puts some of the smaller stations with studio's, to shame. He has done a real FB job on this and this summer Wayne hopes to get his tower up and get the antenna's on it. Then we may again hear his call on the 1X bands and also local work any evening on ten meters. If we can get him on six meters it would really pep up the whole band. HI.

So Shorty you just keep working there as we all want to work you on the air agn.
1X 3.5 MC STYLE.....*.*.*.*.*.*.*.*.*.*.*.*.*.*.*.*.De K2JKA.....

Looking for a good 1X antenna for the lower bands? If you are'e interested in working 1X on 80 or 40 then you may as well stop reading this right here. On the other hand if you are interested then this is the antenna for you.

A vertical radiator has two main advantages for 1X work over the ordinary dipole. Low angle of radiation and non-directional characteristics. Early last winter three of us in the neighborhood decided that we needed a good antenna for use on 40 and 80 meters, so up went three 40 foot verticals made out a single length of 2" irrigation pipe. The entire cost of the antenna, less the coaxial cables was about \$20.00. The results were astounding. Excellent signal reports started pouring in on 80 meter CW from Eurppe, Africa, S.America and the ZL land.

A few weeks ago my vertical suddenly grew to a 65 footer. The reports seem to indicate , as you might expect, that the angle of radiation is lower than that of a 40 footer. This means that the signal reports from stations further away will increase and those stations close by will decrease, thus decreasing the number of contacts made close by.

Any number of arrangements can be used in so far as the mechanical details go. Practically any height can be used, under 5/8/ wave length at your highest operating frequency. A good ground system consisting of at least 4 radials the same length or longer than that of the antenna is a must. The more copper (or aluminum now) that you can get into the ground the better off you will be.

If the antenna is considerably shorter or longer than the quarter wavelength at the operating frequency, you will have reactance present at the base of the antenna. This must be cancelled out in one of two ways. First we determine what type of reactance we have. For installations of less than a 1/4 wavelength in height we have a -j or capacitive reactance. If the height is more than a 1/4 wavelength but less a 1/2 wavelength then we have inductive reactance or +j. We cancel this reactance out with a capacitor. A resonant length of antenna at the operating frequency (ie exactly a 1/4 wave length) will show pure resistance at the base. A reasonable match can be made by connecting a 50 ohm coaxial lead at this point. (RG-58A/U or RG-8A/U or RG-17A/U) (ED's comment... this is real FB but if the user has cable such as RG-59A/U or RG-9A/U it will also match and may even be a bit closer, as the nominal resistance of the vertical antenna will be 75 ohms.) (I'm sure that the reason that Jack mentioned only 50 ohm cable is that this is a lot more likely to be found in the average ham's shack) When your installation uses a non-resonant antenna height, or in the case of a multi-band installation you will have to install a mini-box at the base of the antenna to house the tuning components. The resistance to be expected is less than 35 ohms for heights less than 1/4 wave and between 35 and 1100 ohms for heights between 1/4 and 1/2 wavelengths.

I A N G E B , high voltages can be expected where there are high base impedances

If you are interested in putting up a vertical and have questions on it, see me or G11 W200B.

I wish to thank Jack for a very FB article and I wish that there were more of these types of articles in CROSSTALK. Somebody in the club has at one time or another built something and can take this means of passing along his information, and his comments. Jack overlooked one statement that in order to cancel out the capacitive reactance of the first antenna you use a coil of a value equal (at least) its inductive reactance to the -j factor. This will give you three states that your vertical can have a -j factor a +j factor or pure resistance. The end result for an all band vertical as Jack stated would be a tuner at the base, which would take care of any state. And I apologize for butting into his article.

I wish that someone would come up with a real simple article on SWR as there still seems to be a lot of confusion on this point. There was a real fine show on this at Philmont's last meeting which I had the good fortune to attend, along with WA2WUF Bob, WA2EPB Bob and K2PWV Bill.

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T O T H E H A M F E S T A N D A L S O S E R V E A S A M E E T I N G N O T I C E . S E E Y O U A T O U R A F F A I R S

GLoucester County Amateur Radio Club

The regular monthly meeting of the GCARC was held at the Owens-Illinois clubhouse in Glassboro, New Jersey on May 1, 1963. The meeting was called to order by the president Milt Goldman WA2EGR. The minutes of the previous meeting were read and approved. Harry Ferry WA2IAZ read the Treasurers report indicating a balance of \$362.85. in the treasury with no bills outstanding. MEMBERSHIP chairman Bill Bachman WA2VEE reported that 52 members signed in at the meeting. Two new members Ken Bosarth, WB2ATQ, and Sidney Bosarth, WB2ATR were presented to the membership. A motion was made and seconded that their applications be accepted, and the vote was unanimously approved. PUBLICITY chairman, Jim Peck W2LVW had no report. HOUSE COMMITTEE chairman, Don Curtis had no report. HAMFEST report was made by Howard Hirst K2QOG for Gil Hilman WB2ZJY who was working. The plans are going ahead full steam and the date is August 4th, 1963, a Sunday. Tickets will be \$1.50 for each Ham and \$2.00 for an entire family. FIELD DAY, Woody Franz K2AQL had no report. GUESTS, introduced by Della Parker W2AFZ were B. McCausland W2DDB, John Cabot, W3OZI and A. Klotzbach, W2SYF. Introduced by Max Richmond WA2SFY were Bill Bittner, WB2FAA and Barry Ford, WA2ZZI. AWARDS, Della Parker W2AFZ released the awards for the home brew contest winners Don Curtis K2UWC, Merrill Weiss WA2HJD and Wally Martin W2PLD. Two more club certificates were awarded by Della. CD Van Turner W2KE was very busy showing the CD bus and equipment to officials of local communities such as Westville and Newfield. COLE CLASSES reported on by Doug Gehring WA2NTD. The classes are ended now for the year and there were 14 novices and 4 or 5 generals helped in the obtaining of their licenses. Doug thanked Bill Bachman Bernie Quina, Della Parker Tad Deuber, Harry Ferry and Van Turner for their help with these classes. TVI, reported on by Charlie Coder WA2UHQ, two complaints were received and acted on. HAMSHACK, Mal Mason W2MMC, had no report. PROGRAM Van Turner, reported that the next months program will be a Drunkometer demonstration by the State Police. BIRTHDAY Max Richmond, no report. LICENSE Tad Deuber W2CKX reported that a novice had passed his test just recently. OLD BUSINESS, Tad Deuber asked about the program for JULY. The program for July will be an outing at LAKE GARRISON. Wally Martin W2PLD commented on the recent letter to Gov. Hughes and told of a ham going to a fire who was stopped before he could get equipment to the fire area. Tad Deuber referred to the license plate bill A647 and asked that all interested parties write to the Governor or to Senator James Waddington, the chairman on this bill. Jack Layton, K2JKA newly appointed FC for Gloucester County, reported that Herb Brooks the SEC has his appointment for action. NEW BUSINESS, Jim Peck read a letter from Philmont club, which was an invitation to attend their meeting and a wave form demonstration at the Frank's Institute on May 6th, 1963 at 7 P.M. Bill Shaw WN2BRJ won the door prize and the meeting was adjourned at 2035. An interesting demonstration of RTTY was given by Phil Catona W2JLV.

Respectfully Submitted
SGF Bernhard Cohen, K2OJX
Recording Secretary.

Excerpt's from the Directors meeting minutes.....

The Board met at Harry Ferry's house at 8 PM on May 22, 1963. The meeting was called to order by Della Parker our vice president in the absence of Milt. Those present were W2YNR, WA2SFY, W2CKX, W2KE, W2LVW, W2MMC, K2POD, WA2IAZ, K2OJX and W2AFZ. Harry reported a balance of \$388.20 in our treasury. Paul read off the application of R. Pryzma WA2TSF which was accepted and one for C. McGear WB2ELH which was accepted in principle but there was an administrative problem and this one was delayed. Jim had no report on publicity but indicated progress. Mal again accepted the reappointment as house committee chairman. Paul received many articles from ARRL which the publicity chairman may have use for so it was turned over to JOM. Paul also reported on the license fee's which are now legal and will go into effect the first of the year. Charlie Sketchley reported that postcards were mailed out correcting the date for the Hamfest and the fact that the committee seemed to be doing a real good job under the chairmanship of Gil Hilman. The gift for Owens-Illinois is still being considered. The directors approved a plan for the issuance of certificates for certain types of TX activity in the club. This is not final yet and will be brought up again at the

Excerpt's from board meeting minutes... con't...

A general discussion was held as to the requirements for any future code class club activity. July's program in lieu of a club meeting will be a get together at Lake Garrison. A discussion was held abt the formation and start of a IX column in SROSSTALK....It was suggested that the record player which was left from our White elephant sale now be raffled off at the next meeting. Since there was a list containir 218 names of hams in Gloucester County prepared by Bill Bachman, the board decided that it would be a good idea to send all of the amateurs in the county a copy of our club paper and invite them to some of the big events we will have in the next few months. This will be done with this issue of XROSSTALK,, The meeting was adjourned and all took time to enjoy the good food passed out by Harry and his XYL.

Respectfully Submitted,
Bernie Cohen, K2QJX, Sec't.

In the hustle and bustle of all of the activity for our Ham Fest and the Outing in July we all should not forget another great amateur event. This is of course the FIELD DAY. This culminates National Amateur Radio Week from coast to coast and we all usually have a reaf fine time . This officially starts on Saturday JUNE 22 at about 4 PM and will completé on Sunday at about 4 PM. There are many things that can be done prior to the official start so come out and give the boys a hand with some of the work. Dont just come out to play with the gear, as has happened in the past. Give the boys a break and a little bit of relief, and they sure will appreciate it, I8m sure. All arrangements for food will have to be made by yourself as there will be no central facility provided.

It looks like we will have no activity on six or two meters this year due to the fact that no one volunteered. This seems strange and I8m sure that if woody had a volunteer he would be glad to run this band , So what say?. Lets get some club spirit in here on six and two. See Woody at the June club meeting..

It looks like we have a need for an antenna tuner capable of handling about 200 watts or a little less. Anyone having one kindly contact Jim Peck after the June meeting.

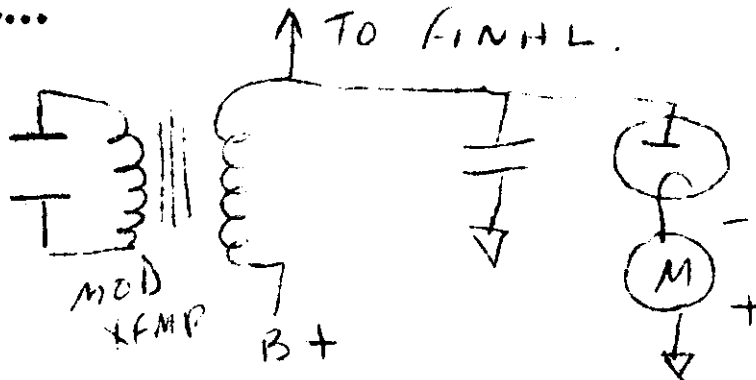
On another page you all will find a map which Woody provided and even if you do not plan to take an active part in this field day get out and give a bit of moral support to those that do.. And by Sunday they will need it too...

The Field day chairman is Woody Franz K2AQL and the rest of the committee is
20 meters Jim Peck W2LWV
40 meters Jack Layton K2JKA
80 meters Jack Oberst W2TLO

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TECNOTE....

SOMETIMES IT IS VERY CONVIENENT TO INCORPORATE IN THE TRANSMITTER (HOME BREW) A METER THAT INDICATES WHEN NEGATIVE-PEAK OVERMODULATION EXISTS. (OR OCCURS) A SATISFACTORY ARRANGEMENT CONSISTS OF A DIODE IN SERIES WITH A MILLIAMETER. THIS IS REAL GOOD FOR PLATE MODULATION ONLY AND IS TIED TO THE TOP OF THE MOD XFMR. (AWAY FROM THE B+) Cliff Brown WA2KGD has a version of this and likes it very much so ask him about it...



Field Day

June 22 2023

