

July
2023

BARC Field Day 2023

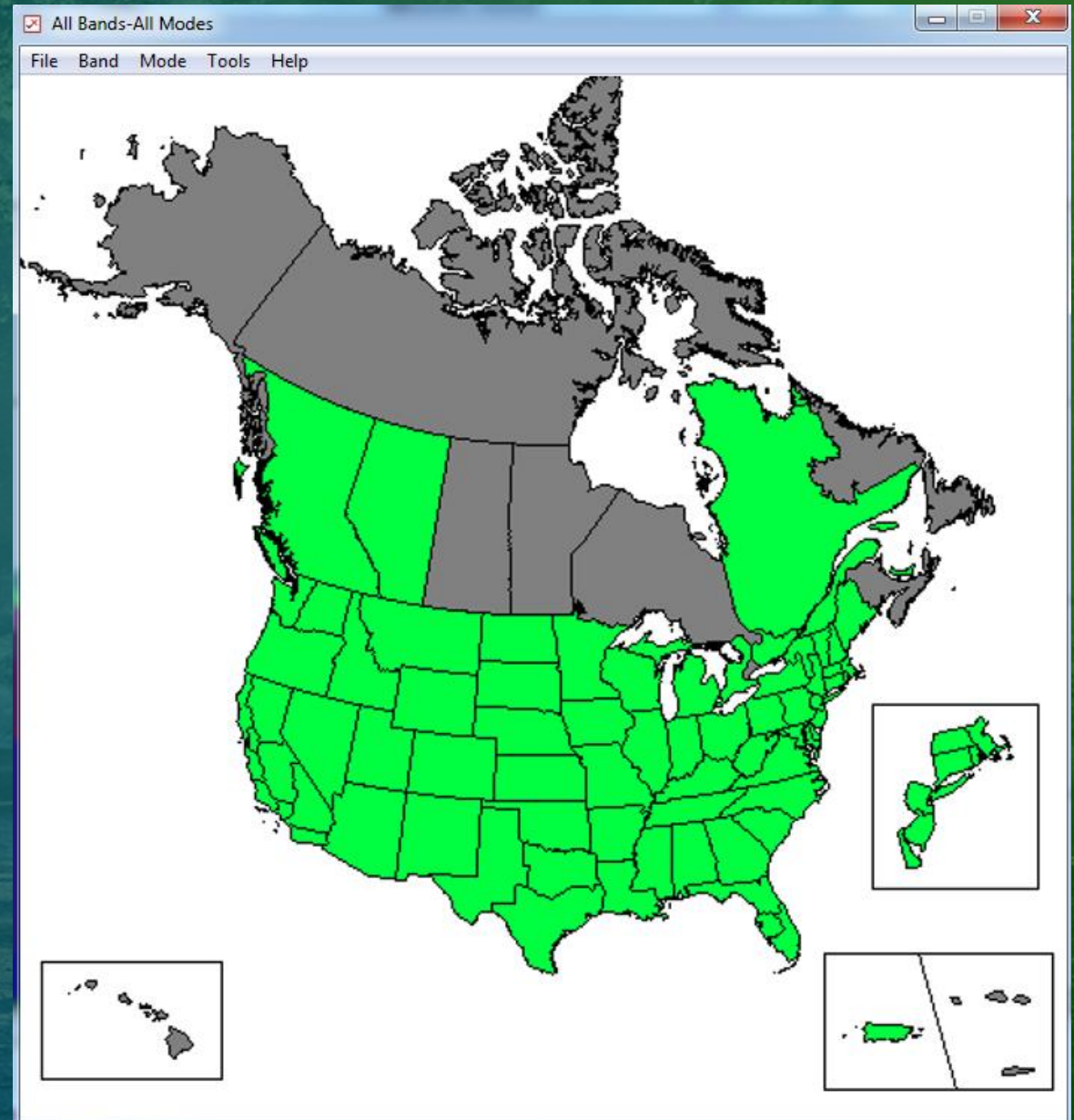
“Hot Wash”

A Successful Field Day!

- Great BARC Participation (from sign in sheets)
 - Friday Set up 13
 - Saturday - 13
 - Sunday - 10
- 19 Visitors signed guest log
- The forecasted rains never showed up
- No Injuries
- Friday Setup went smoothly – 10:00am – 2:00pm
- Sunday Tear-down -- 2:00 pm -4:00 pm

Output from “MultChaser”

Make sure to select “sections_2020.xml” for configuration in order to show the sections as they are worked.

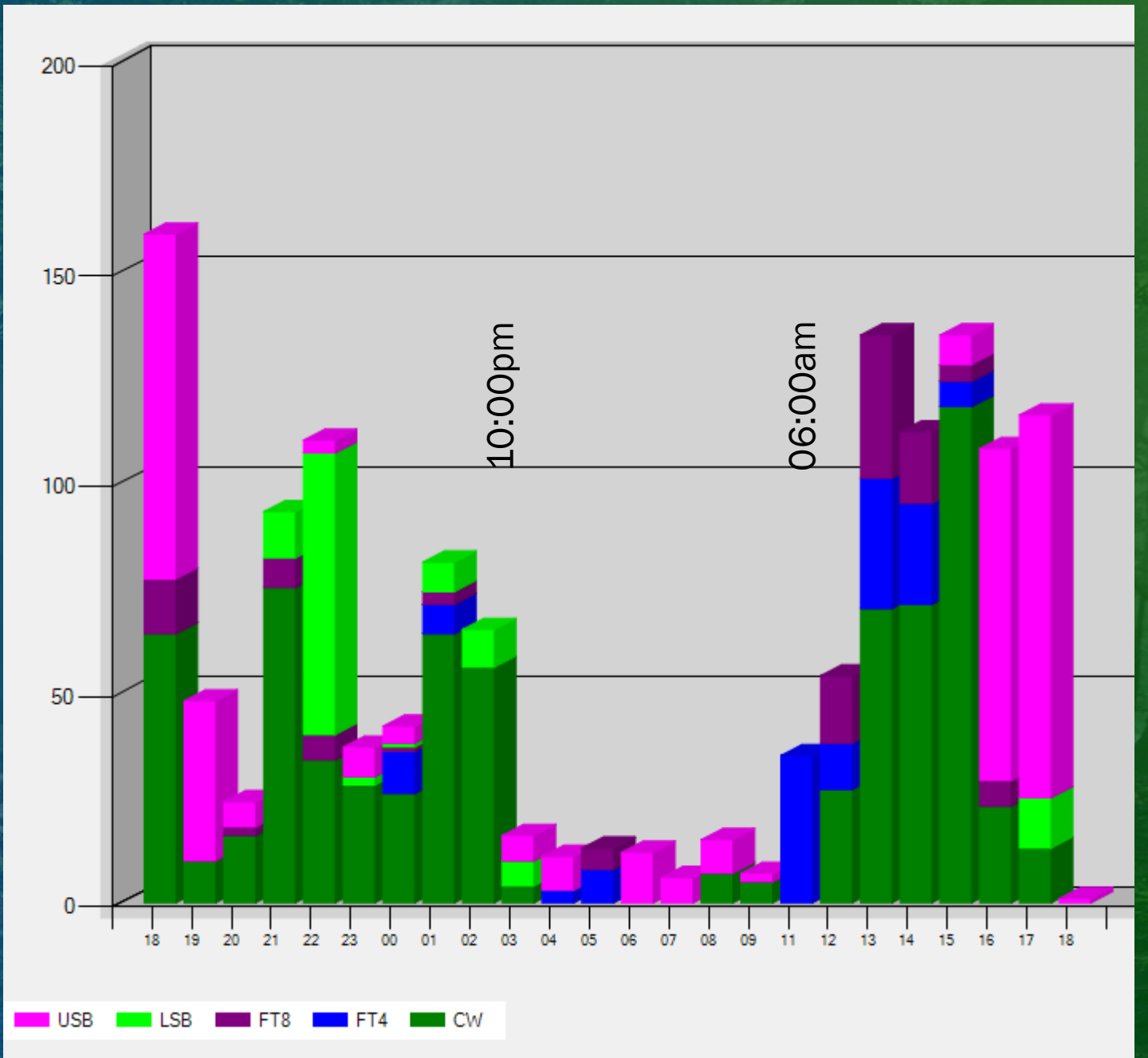


How Did We DO ?

	2023			2022		
BAND	CW	Digital	Phone	CW	Digital	Phone
80M	39	16	6	150	2	94
40M	116	13	109	27	0	532
20M	327	142	231	535	174	29
15M	224	1	122	0	12	83
10M	5	0	7	1	0	10
6M		77		0	74	0
Total QSO's by Mode	711	249	475	713	262	748
Total QSO's =====>				1435	1723	
Total Points by mode	1422	498	475	1426	524	748
Total Points =====>				2395	2698	
Apply x2 Pwr Mult to Points for total QSO pts of =====>				4790	5396	
Projected Bonus Points (pending proof points) =====>				1350		
Projected Total Score =====>				6140		

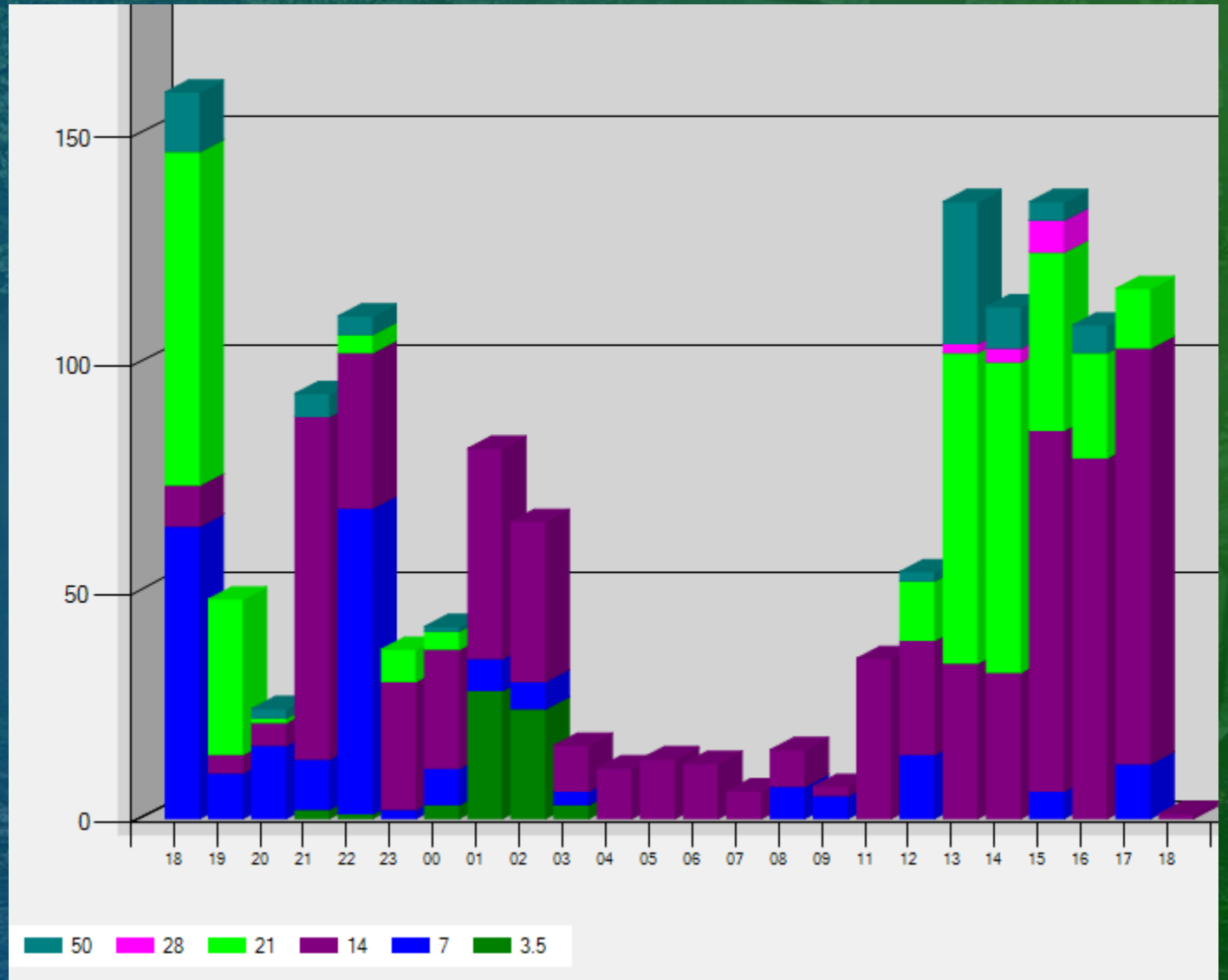
Modes Worked by Hour

Y Axis is Points

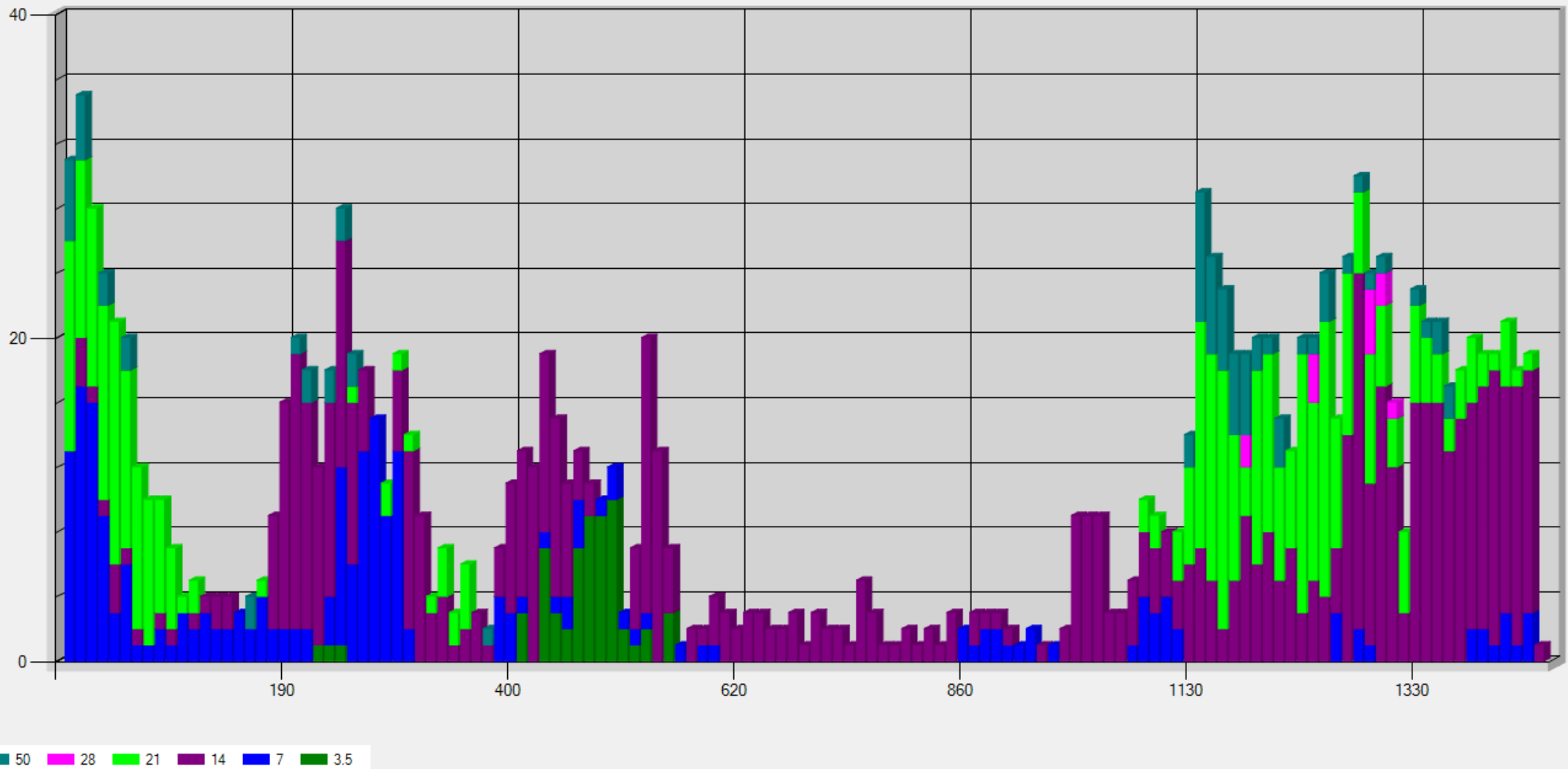


Bands used by hour

Y Axis is points



Points Generated by band per 10 minute "slots"



Points by Call

Check out the per hour point production rates !

Day	Hr	K1WT	K2YY	K4LFL	KA1CTK	KA1CTL	KT1OK	N9SJH	W1LEM	W1MA	W1WEF	WA1EXA	WA1NLG	WA3SWJ	Tot	Accum
2023-06-24	18	7		5	34					55	54		4		159	159
2023-06-24	19			4	34				10						48	207
2023-06-24	20	1		5			1		16				1		24	231
2023-06-24	21	4		11					4		71		1	2	93	324
2023-06-24	22	3		67			3				34		1	2	110	434
2023-06-24	23		8	2			7				20				37	471
2023-06-25	00	1	26	1			4							10	42	513
2023-06-25	01		46	7			2				16			10	81	594
2023-06-25	02			6							56	3			65	659
2023-06-25	03			1				2			4	9			16	675
2023-06-25	04	3										8			11	686
2023-06-25	05	13													13	699
2023-06-25	06											12			12	711
2023-06-25	07											6			6	717
2023-06-25	08			7								8			15	732
2023-06-25	09			5								2			7	739
2023-06-25	11													35	35	774
2023-06-25	12	1		14	8							5	1	25	54	828
2023-06-25	13	17		70									14	34	135	963
2023-06-25	14	8		71									1	32	112	1075
2023-06-25	15			62		6		1			56		4	6	135	1210
2023-06-25	16				79						23		6		108	1318
2023-06-25	17				91			12	10		3				116	1434
2023-06-25	18				1										1	1435
Total		58	34	263	129	239	6	17	15	40	55	337	53	33	156	1435

#2

#3

#1

First & Last Minute Contacts ..

MM-DD HH:MM	▲ Call	Freq	M...	Exch	Sect	Pts	Op
06-24 18:00	W3SC	7026.73	CW	3A	EPA	2	W1MA
06-24 18:00	W1SYE	50314.23	FT8	2A	RI	2	W1MA
06-24 18:00	W1SYE	50314.23	FT8	2A	RI	0	
06-24 18:00	K3EMD	7026.73	CW	3A	MDC	2	W1MA
06-24 18:00	W8DYY	21333.00	USB	2D	OH	1	W1MA

Don't forget to press Ctrl-O

06-25 18:00	NM6A	14334.00	USB	3E	EPA	1	KA1CTK
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Remote / Aggregating Stations

Call	Name	Points	Comments
WA1JSE	Paul Finnegan	254	
K1POW	Jim (774-571-7605)		
KA1CTL	John	96	
WA1LEM			

Submitted by: **Paul Finnegan, WA1JSE** E-mail: wa1jse@comcast.net

Call Used: **WA1JSE** GOTA Station Call: **(NONE)** ARRL/RAC Section: **EMA** Class: **1D**

Participants: **1** Club/Group Name: **Barnstable Amateur Radio Club**

Power Source(s): **Commercial**

Power Multiplier: **2X**

Preliminary Total Score: 254

Bonus Points:


Bonus	Points Status
Entry submitted via web	50
Total bonus points	50

Score Summary - Cabrillo log/dupe sheet file: WA1JSE2023FD.log

	CW	Digital	Phone	Total	
Total QSOs	0	0	102		
Total Points	0	0	102	102	Claimed Score = (QSO points x power mult) = 204

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NIMM+ Scoring Question

 Score - 4,558 Points

Contest: FD

Band	Mode	QSOs	Pts	Pt/Q
3.5	CW	39	78	2.0
3.5	FT4	10	20	2.0
3.5	FT8	6	12	2.0
3.5	LSB	6	6	1.0
7	CW	116	232	2.0
7	FT4	13	26	2.0
7	LSB	109	109	1.0
14	CW	327	654	2.0
14	FT4	112	202	1.8
14	FT8	30	50	1.7
14	USB	231	231	1.0
21	CW	224	448	2.0
21	FT8	1	2	2.0
21	USB	122	122	1.0
28	CW	5	10	2.0
28	USB	7	7	1.0
50	FT8	77	70	0.9
Total	Both	1435	2279	1.6

Score: 4,558

1 Mult = 1.0 Q's

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Bonus Points .. Planning On Claiming

	<u>Bonus Points Claimed</u>		Proof Pt Req.	
3				
4	Emergency Power per trans	100	no	300
5	Media Publicity	100	yes	
6	Public Location	100	no	100
7	Public Info Table	100	yes	100
8	Msg to ARRL SM/SEC	100	yes	100
9	W1AW Field Day Msg	100		100
10	Formal Messages 10 @10	100	yes	100
11	Natural Power QSOs	100	yes	0
12	Site Visit Elected Off	100	no	100
13	Served Agency	100	no	100
14	Educational Activity	100	no	100
15	Stationed Online	50		50
	Emergency Officer	100	yes	100
	Social Media	100	no .	100
18				
19				
20				
21	No GOTA Contacts			
22				
23				
24				
25				
26	Total Bonus Pts..			1350
27				

We will claim 100 pts for Media Publicity – an announcement got published in the BS weekly announcements.

Field Day Flyer



YOU ARE INVITED TO SEE LOCAL VOLUNTEERS
DEMONSTRATING HAM RADIO THIS WEEKEND

IN BREWSTER

Saturday & Sunday

June 24 (2-6pm), June 25 (9am-2pm)

Free Admission*Sportsman's Club, 280 Tubman Rd
Brewster, Massachusetts.

Presented by Barnstable Amateur Radio Club. barnstablearc.org

Ham radio activities promote STEM learning and emergency communications. Satisfy your curiosity about the world of ham radio.

Bonus Point – Elected Official

Chris Flanagan
(Rep 1st Barnstable)

Gov Healey's Proclamation
Proclaiming Jun 24, 2023
Amateur Radio Day



ARRL – News Release



BARNSTABLE AMATEUR RADIO CLUB

Norm Cantin, WA1NLG, President <http://www.barnstablearc.org>

NEWS RELEASE

For Immediate Release

For additional information contact:

Rob Leiden

21 West Woods Circle

Yarmouthport, MA 02675

508-737-5842 (c)

k1ui@arrl.net

“Radio Hams” from all over Cape Cod will join in a national deployment

Public Emergency Communications Demo June 24 – 25, 2023

Brewster, MA June 19, 2023 – Your Town’s “hams” will join with thousands of Amateur Radio operators who will be showing off their emergency capabilities this weekend. Over the past year, the news has been full of reports of ham radio operators providing critical communications during unexpected emergencies in towns across America including the California wildfires, flooding in Texas, our own

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Publicity – Boy Scouts Cape Cod & Islands Council

Fwd: News from Cape Cod & Islands Council




Norman Cantin <norman.cantin@gmail.com>
To: Bruce Semple

↩ Reply

↩ Reply All

→ Forward

Sat 6/24

 The linked image cannot be displayed. The file may have been moved, renamed, or deleted. Verify that the link points to the correct file and location.

Barnstable Amateur Radio Club (BARC) Field Days

The Barnstable Amateur Radio Club will hold their annual Field Days as noted below. The club is building a radio room in the basement of Maushop Lodge. When completed, they will work with Scouts to help them earn Radio Merit Badge and be a general resource to Scouting on the Cape and Islands! Here are the details for this year's event:

Location: Brewster Sportsman's Club, 280 Tubman Rd, Brewster, MA 02631.

Time: Saturday (6/24) from noon to 6pm and Sunday (6/25) from 10AM - 2PM.

Good to Know: pizza & drinks. Scouts are invited to attend, learn more about Ham Radio and get on the air if they would like.

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Social Media – Facebook

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Christopher R. Lauzon is at The Brewster Sportsman's and Civic Club.

June 24 at 10:07 PM · Brewster, MA · 🌐



Thanks to my buddy and HAM operator Stephen Boyson for bringing me down to meet some of the guys at the [Barnstable Amateur Radio Club](#) in Brewster this afternoon. Today is an annual, international, 24 hour event to test radio equipment for its effectiveness in case of emergency situations. What a fascinating and important hobby being kept alive by dedicated practitioners like these men. If anyone is interested in becoming a HAM, please reach out to this local group!



More Press on Facebook

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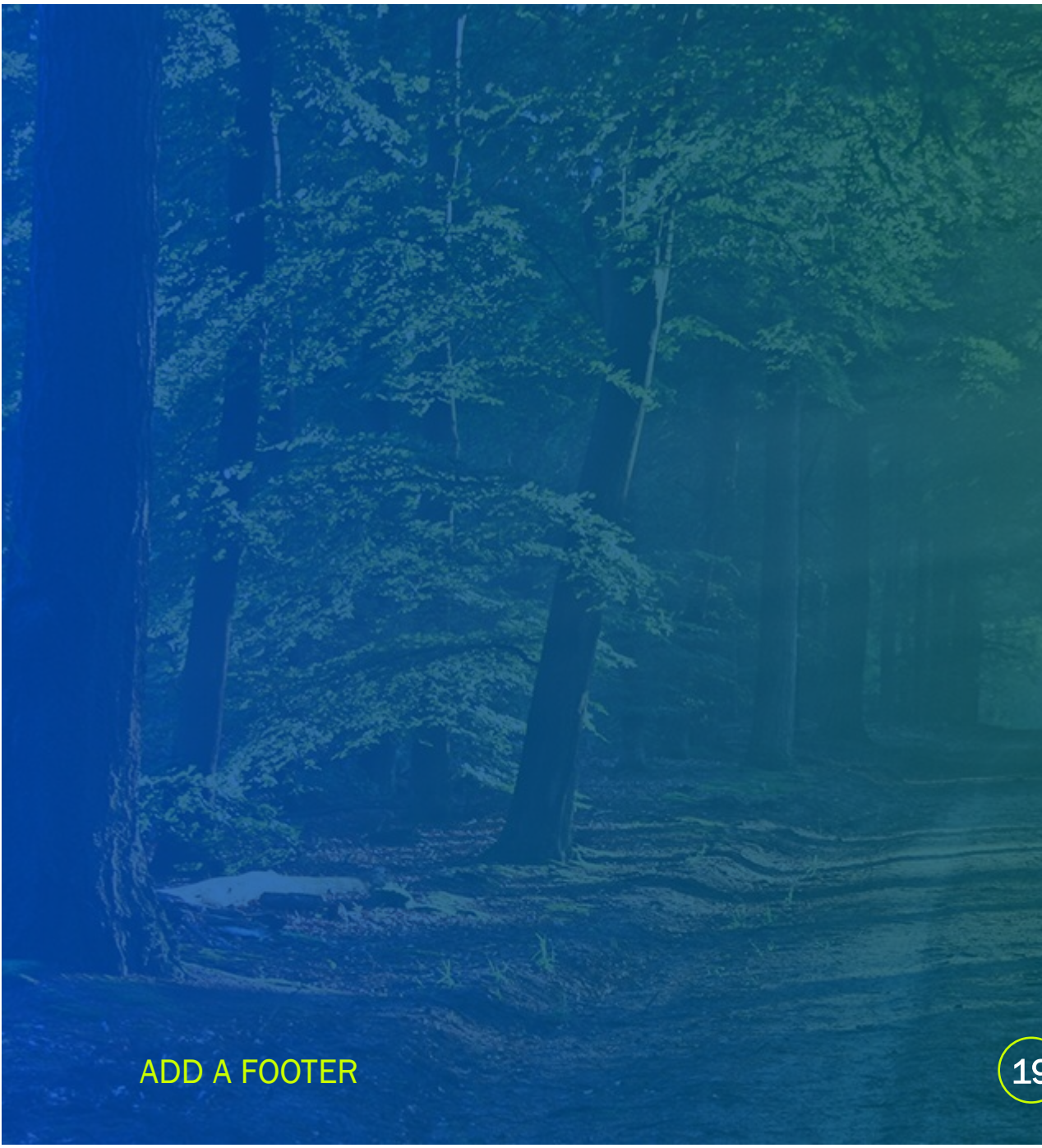


The Dennis Republican Town Committee · Follow


June 24 at 4:59 PM · 🌐

Myself and [Christopher Lauzon](#) today visited a bunch of men from Barnstable County Testing out there amateur radio's world wide for 24 hours straight for a emergency radio exercise. There's about 50 men who participate in the 24 hour period. They supply there own equipment. All the power was run off a portable generator to perform this. Great job by all.





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 **John Kosian**
June 23 at 5:23 PM · 🌐

Prep for ARRL ham radio event Field Day Sat & Sun. First there was only sky, then there was ~~see~~ a tri band beam on a tower.
Great teamwork.
Will be taken down Sun afternoon.

Find a local ham radio Field Day event near you if you have a curiosity about amateur radio. Especially, bring a young person who might take an interest.... [See more](#)



What Worked (or Continues To Work)

- Brewster Sportsman Club Facility
- Reese's Laptops
- Pin's on the tri-bander - but take the big pins that ones out of the "parts Kit"
- Rob repairing & testing out most of the coax ahead of time
- The Google Sheet improved the Operator Sign ups .. But still had some access issues for some
- Having all 7300's as our station radios ..
 - Thanks .. Rob, Norm, John
- Having all the Laptops configured to interface with the Radios ahead of time
 - "Restore File" used to set up all the 7300s
 - N1MM.ini file used to configure radio interface
- Silicon Spray!
- New hitch mounted winch
- Lenovo M900 - refurbished mini-units ..
 - However, won't run Win 11!

Purchased Jun 2023



lenovo ThinkCentre M900 Tiny Desktop Micro Tower PC (Intel Core i5-6500T, 8 GB Ram, 256 GB SSD, USB 3.0, WiFi) Windows 10 Pro (Renewed)

★★★★☆ ~ 332

\$118⁹⁹ New Price: \$144.00

Processor Type	Disk Size	RAM	Processor Speed
Core i5	256 GB	8 GB	3.20 GHz

FREE delivery **Fri, Jul 7**
Only 7 left in stock - order soon.

More Buying Choices
\$118.28 (10 new offers)

Some Focus Items For 2024 – page 1

- Still looking to implement an “Tri-Bander Tool Bag” (TBTB) with multiples of the appropriate tools needed so that multiple people can assemble the tri-bander at once. This tool bag could also have a nice container for the pins that are currently stored in a ripped paper bag in the BARC tool chest.
- Improve quick reference guides at operator positions
 - Update the N1MM+ guidance
 - Provide the list of ARRL Sections
 - Radio Operating Quick tips – if IC-7300 – for example .. Set RF gain to right above noise level
- Hold Zoom Meetings ahead of time – possible topics
 - Familiarization with the radios
 - Familiarization with N1MM
 - Field Day Operating Tips
- Have a consistent (same) N1MM window layout across the operating station laptops
- Get N1MM+ and WSJT-X integrated as part of the Laptop setup..
 - Provide training / zoom call on how to operate WSJT-X under N1MM+ control
 - If running multiple digital stations, need to rely on N1MM+’s networked log to identify dups / worked before. – can’t use WSJT-X’s local log & it’s “colors”

Some Focus Items for 2024 – page 2

- Put additional energy into outreach, scheduling scouts & other groups ... Carol, KC1MAQ has some ideas
 - And then have the corresponding focus on a GOTA station, coach, viable antenna
 - Was the “GOTA Station” too “overwhelming” .. It was WA3SWJ’s combo station that we were double using as a GOTA station when needed.
 - Coordinate with Falmouth to have some hams “standing by on Freq” to make contacts with the calls from the GOTA station. We would do the same for Falmouth’s GOTA station
- Set of laminated assembly instructions for the three antennas -- we had to rely on some tribal knowledge to get the 40 meter beam assembled.
- Make sure we have enough headsets & splitters so bystanders can “listen in” on the action
 - Sort out the issue with the stereo / mono .. Goal is to get the audio from the receiver into both ears .. Radio setting? .. Mono splitter with mono head sets ..need consistency in audio chain.
- Setting up in a more public accessible location?
- Label the box that has the first aid kit with a big red cross (use red tape)

Some Focus Items for 2024 – page 3

- Use GoogleEarth to check for nearby solar installations
- Set up a 2nd 20m dipole .. Away from the Tri-bander for GOTA daytime operations

RF Noise Was An Issue

- The noise changed if we aimed the tri-bander differently ..
 - Was it the Osprey nest on the HV Lines??
- We put a line filter on the output of the generator, and it appeared to reduce some of the 40 meter noise (Lem)
- Should we visit the site ahead of field day and check for noise sources?
 - Use Google Earth to look for solar panel installations around our field site
 - Rob may have access to a RF243 system (spectrum analyzer?) next year to scan the spectrum –

IC-7300 Radio Settings

- With the band scope on, set RF gain barely over the noise floor
- When you first sit down at the radio, set up the mic gain and compression correctly .. For your voice ..
- For SSB, bandwidth should not be less than 2.8Khz
- Turn off the Pre-Amp, NB, and NR
- Stereo / mono headphone output setting?

Operating Guidelines

- Use standard phonetics -- Enunciate clearly
- Don't be afraid to RUN a freq – assume YOU are LOUD and have the Power!
- CW Ops ..(Jack) Make sure RIT or XIT are OFF but if you are S&Ping on CW and calling stations in pileups, you can be copied more easily if you have the XIT set for plus or minus 30 hz or so.



Load Out at the Container Friday
10:00AM





Part of the crew assembles the Tri-Bander

Another part assembles the Tilt-Over Tower

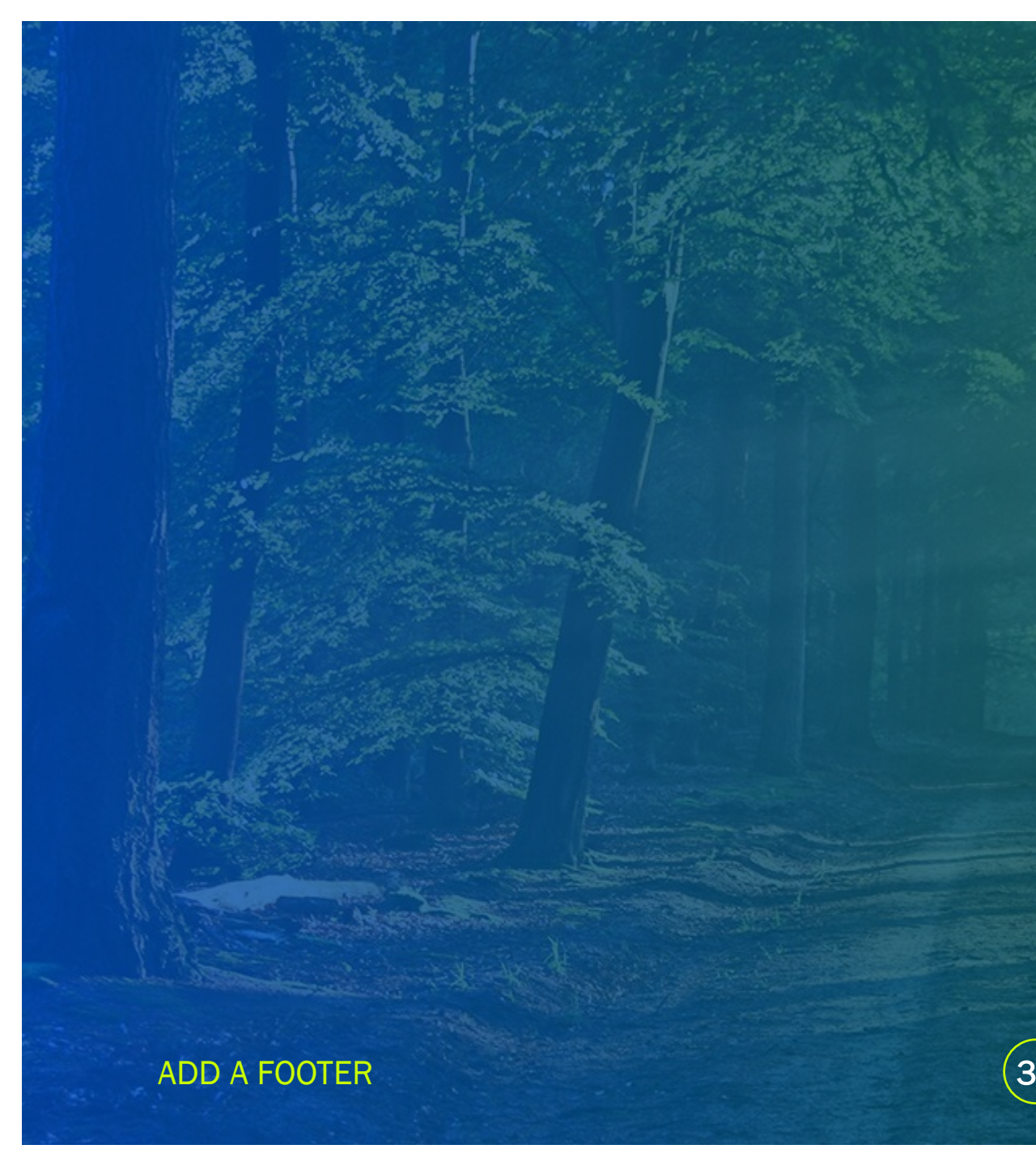




ADD A FOOTER



ADD A FOOTER



The rest of the pictures
in the “BARC – FD2023
Folder” on Google Drive

