



Marvin Bernstein, W2PAT June 6, 1915-August 4, 2019

Marv was one of four children born to Joseph and Clara Bernstein who resided in Buffalo, New York. He was first licensed as a ham in 1932, as a student at Buffalo technical High School. His original callsign was W8DLU, Buffalo then being in the 8 call area. In 1933, he was hired by the Colonial Radio Corporation which produced Silvertone radios for Sears, Roebuck.



Eight days after Pearl Harbor, Marv received a telegram from the Commanding General of Fort Monmouth, NJ, telling him to report to the Civilian Personnel Office there at 0900. He did, and remained a civilian employee of the Signal Corps for 30 years. He was a noted expert in the development of frequency control devices and spoke at NATO

conferences around the world throughout the 50s and 60s. It was while he was at Fort Monmouth that he and Jerry Havel, W2RRY-SK, set up a listening station for Sputnik in 1957.

In 1972, Marv retired from the Signal Corps and, in his words "...hammed it up for just over a year, but at age 56, I was too young to retire..." So he joined

the Hecon Corporation where he worked for another 10 years, retiring in 1984.

Marv was a member of the Army Amateur Radio System from 1940 until the start of World War II. He joined Air Force MARS in 1951, but dropped out in 1953 owing to a heavy travel

schedule with the Signal Corps. He rejoined MARS after his retirement and remained active for many years thereafter.

Marv was an active member of the Garden State Amateur Radio Association for decades.

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Monthly meeting is August 15th at 7:00 at the shack in Little Mountain. Charlie Brown, KD4CB will talk about working Low Earth Orbit Satellites.

Upcoming Regional Hamfests and Conventions

08/17/2019 | Alabama State Convention, Huntsville Hamfest
Location: Huntsville, AL

08/24/2019 | Byron Hamfest
Location: Byron, GA

08/24/2019 | Cedars of Lebanon Hamfest
Location: Lebanon, TN

08/30/2019 | Shelby Hamfest
Location: Shelby, NC

09/07/2019 | ARRL Virginia Section Convention, Virginia Beach Hamfest
Location: Virginia Beach, VA

09/07/2019 | Gadsden Hamfest 2019
Location: Gadsden, AL

09/07/2019 | Greater Louisville Hamfest 2019
Location: Shepherdsville, KY

09/14/2019 | Bahia Shrine Radio Unit Tailgate
Location: Apopka, FL

09/14/2019 | Richmond Hamfest
Location: Richmond, KY

Please see "Hamfests" on page 4

Midlands Net Schedule

There is a net on the air somewhere in the Midlands almost every day

Band	Sun	Mon	Tue	Wed	Thu	Fri	Sat
2m repeater	CARC 2030 146.360 RARC After simplex 147.255	KCARC 2000 146.775	SARA 1900 147.015	CARC 2030 146.360	CC-ARES 1930 146.670 GARS 2100 146.165		
2m simplex	RARC 2100 146.550			CARC 2000 146.400			
HF							RARC First Saturday of month 2100 3.959

Legend:

- CARC:** Columbia Amateur Radio Club
- KCARC:** Kershaw County Amateur Radio Club
- SARA:** Sumter Amateur Radio Association
- GARS:** Greenwood Amateur Radio Society
- RARC:** Ridge Amateur Radio Club (Batesburg-Leesville)
- DFARG:** Dutch Fork Amateur Radio Group

DFARG Monthly Meeting, July 18, 2019

1. David Graham, President of DFARG, called the meeting to order at 7:00 pm.

2. Dan Goldston, ARIS Emergency Coordinator for Newberry County, reported, (a) Newberry Hospital has purchased narrow band transceivers for emergency communication with the Newberry EOC, (b) two new members will soon be added to the group and, (c) the Director of Emergency Operations is interested in DFARG conducting licensing classes for and training Em Comm operators in the use of amateur radio equipment.

3. Jack Jackson, Tim Smith, and Elaine Thorp were recognized by President Graham for doing a great job of renovating and cleaning up the facility prior to the July Meeting.

4. David Graham announced that Tommy Long, Newberry County, Director of Emergency Operations may soon visit our facility to see that we have the right stuff.

5. Treasurer's Report. See page 4.

6. John Seibels presented a framed cer-

tificate from the ARRL showing that The Palmetto Amateur Radio Club has been an affiliated club since 1930. David Livingston offered to scan the certificate for inclusion in the group's website.

7. John Seibels expressed regret at the passing of an old friend, Paul Marsha, K4AVU, who in 1954 together with John studied for and took their first amateur radio license exam. The question was raised as to what would happen to the 81/21, 2 mtr. repeater of which K4AVU was Trustee given that the FCC would retire the K4AVU call sign for two years upon learning of Paul's demise.

John explained that John Crockett while VP of Engineering at ETV had the repeater and its antenna installed on an ETV tower located on Little Mountain for the benefit of amateur radio operations where it remains today maintained by ETV.

As the repeater's call sign, K4AVU, expired with Paul and no member of Paul's immediate family is eligible to acquire the call sign David Living-

ston suggested that the repeater's CW identifier be reprogrammed with the call sign W4MN of which John is Trustee. Such action was moved and unanimously approved by the Group.

John intends to send ETV's Michael Gill a letter seeking confirmation that ETV will continue to own and maintain the repeater, its antenna, and any other wiring, and electronic equipment associated with the repeater and make every reasonable effort to keep it operational. In his letter John will request ETV to reprogram the repeater's CW identifier with the W4MN call sign and enclose a copy of the W4MN license identifying John as Trustee.

8. Jack Jackson asked the Group to recognize that members emeritus Cliff Kayhart, 107 years of age and Marvin Burnstein, 104 years of age as two of the oldest operating radio amateurs in the US.

9. John Miller announced that his group was successful in working all thirteen original colonies, States, during the 13 Colonies event which followed nearly 500 QSOs made by a number of field day participants using a variety of modes.

10. Gerald Cromer a retired ETV engineer gave us an update on technological and system changes occurring within the ETV industry suggesting that some old transmitting and microwave relay towers would be decommissioned. However, it was his opinion that the Little Mountain ETV tower supporting the 81/21 repeater would be kept operational.

11. Tim Smith, an ARRL certified VE, is eager to start training classes and examining prospective and upgrading licensees. His question was when, where and for whom might I schedule classes. It was suggested that Tim might coordinate scheduling classes with Dan Goldston, Emergency Coordinator for Newberry County, who it is believed has identified EOC personnel who want to become licensed amateur radio operators.

12. Ben Baily on short notice and with much pleading agreed to do the program and explain how he was modifying his Elecraft K3 to eliminate noise in a regulator circuit so that it would perform better at VLF.

Please see "Minutes" on page 4

Treasurer's Report

Beg. balance:	\$997.77
Dues Collection	+\$110.00
Generator Gas	- \$14.98
Final Balance:	\$1092.79

Minutes:

After diagraming the circuit changes, Ben connected the VGA spectrum display output of his K3 to the HDMI input of DFARG's new 60 inch, LCD, flat screen to show when the K3 detected the 194 kc. signal of a beacon transmitter located in Chapin.

Not having found the beacon's signal, Ben declared a need to continue work on his K3 modification leaving with a promise to make another presentation at a later date.

13. In closing, David Livingston recommended DX Engineering's DSP noise canceling units/devices advertised in the August 2019 issue of QST. Further, David explained that he found that unused runs of CAT6 cables connected to his router proved to be active antennas contributing greatly to the noise in his shack. Simply disconnecting the cables significantly reduced the noise level.

14. The meeting was adjourned at approximately 8:10 pm.

Upcoming Contests

August

- 17-18 [10 GHz & Up - Round 1](#)
- 18 [Rookie Roundup - RTTY](#)
- 24-25 [Kansas QSO Party](#)
[Ohio QSO Party](#)
[W/VE Islands QSO Party](#)
[CVA DX Contest SSB](#)
- 24-26 [Hawaii QSO Party](#)

September

- 1-2 [Tennessee QSO Party](#)
- 7 [Ohio State Parks on the Air](#)
- 7-8 [Nebraska QSO Party](#)
- 7-8 [IARU Region 1 Field Day](#)
- 8 [North American Sprint-CW](#)
- 14-16 [September VHF](#)

W1TEF Wins QRP Title

Tom Francis, W1TEF, took top honors for QRP Operator in the 2019 13 Colonies Special Event with 1358 contacts.



Hamfests:

09/20/2019 | [W4DXCC, DX and Contest Convention](#)

Location: Pigeon Forge, TN

09/28/2019 | [ARCS Hamfest](#)

Location: Paintsville, KY

09/28/2019 | [Pasco Co Ham-Fest](#)

Location: Odessa, FL

WE'RE ON THE WEB!
WWW.W4DFG.ORG

Upcoming DXpeditions:

For more information go to <https://www.ng3k.com/>

Start	End	DX Entity	Notes
Aug01	Sep01	Ecuador	By IZ1HGP as HC2/IZ1HGP fm Isidro Ayora Finca, Guayas; 160-6m; 1kw; yagi, vertical, wires; QSL also OK via IZ1HGP
Aug03	Aug17	Aland Is	By DK3BK D05JD DK3CKM; 80-6; CW SSB + digital; Spiderbeam, vertical, dipole; QSL also OK via M00XO OQRS
Aug03	Aug17	Madagascar	By 5R8PX fm Nosy Be I; HF; SSB + digital; QSL also OK via IK2DUW/HE9ERA (Buro or direct)
Aug04	Aug16	Georgia	By SP9DLM as 4L/SP9DLM fm Kobuleti (LN01vt); 40 20 15 10m; end-fed wire
Aug06	Aug18	Maldives	By IZ2DLV fm Nika I; 80-15m; CW SSB FT8; holiday style operation
Aug10	Aug18	St Pierre & Miquelon	By VO1DX DJ6GI DM4IM DD5ZZ fm L'Île aux Marins; 160-6m; CW SSB FT8, perhaps RTTY, FM satellites
Aug17	Aug24	Market Reef	By DS4EOI JE6HIB JH4RHF W5XU; HF; QRV for International Lighthouse Lightship Weekend
Aug21	Aug28	Faroe Is	By IZ1AZA as OY/IZ1AZA fm IOTA EU-018; 40-10; CW SSB; QSL also OK via IZ1AZA or Club Log OQRS
Aug23	Sep02	Solomon Is	By DL2GMI fm Malaita (IOTA OC-047); 80 40 20 17 15 12 10m, perhaps 6m; SSB FT8, some RTTY; QSL also OK via DL2GMI (DARC Buro or
Aug23	Oct04	St Lucia	By K9HZ; 40-6m;
Aug31	Sep17	Burundi	By IV3TMM fm Bujumbura; 60-6m; FT8 SSB RTTY; 1st 60m activation fm Burundi; holiday style operation
Sep01	Sep30	Somalia	By LA7GIA; 160-10m; mainly CW, perhaps SSB, digital; QSL also OK via M00XO, logs to Club Log; 14 days in Sep, dates TBA
Sep02	Sep09	Fiji	By DD0VR as TBD; HF; SSB; QSL OK via DARC Buro or direct
Sep06	Sep09	Palau	By JA0JHQ fm Koror; HF; QSL also OK via JA0JHQ
Sep06	Sep09	USA	By N3QQ VE3LYC VE7NY KO8SCA fm Tillamook Rock (Oregon, IOTA NA-211); 2nd ever activation; 40-17m; CW SSB; 2 stns; QSL via Club Log
Sep06	Sep15	West Kiribati	By YL2GM YL1ZF YL2KL YL3JA fm Tarawa (IOTA OC-017); 160-6m; CW SSB RTTY FT8; QSL also OK via Club Log OQRS and YL2GN
Sep06	Sep22	Corsica	By F8BBL fm IOTA EU-100, EU-104, EU-164; mainly CW; QSL also OK via F8BBL (Buro or direct)
Sep07	Sep12	Bonaire	By K5SL as PJ4/K5SL; 40-17m; CW; perhaps 17m SSB
Sep08	Sep20	Antigua	By AA3B fm IOTA NA-100; HF; mainly CW; spare time operation; QSL also OK via AA3B and Club Log OQRS
Sep08	Sep21	Ghana	By KB1QU; 40 30 20m; CW FT8 FT4
Sep09	Sep16	Samoa	By DD0VR; HF; SSB; QSL OK via DARC Buro or direct
Sep12	Sep18	Liechtenstein	By DL4APJ as HB0/DL4APJ, DJ2AX DL5ARG likewise; 80-10m; CW SSB PSK RTTY FT8 FT4; holiday style operation; QSL also OK via DARC Buro,
Sep13	Sep16	Ceuta & Melilla	By DL2JRM as EA9/DL2JRM; HF; QRV for WAE SSB Contest; QSL OK via DARC Buro or direct
Sep14	Sep25	Palau	By JA6UBY J03LVG JH6DUL JL1HYH JM1LIG JI6NCY as T88RR T88MK T88VV T88HY T88FM T88NC, respectively fm Koror I (IOTA OC-009; 160-6m; CW SSB RTTY
Sep15	Sep30	eSwatini	By HA5AO; 80-10m; CW RTTY FT8; OQRS available on Web page
Sep16	Sep21	Tonga	By DD0VR; HF; SSB; QSL OK via DARC Buro or direct