

THE SPLITROCK TIMES

The newsletter of the Splitrock Amateur Radio association.
JUNE 2023 edition.

Welcome to the eleventh edition of the Splitrock newsletter with its new name.

Editor: Fred Wawra W2ABE. [contact W2ABE@arrl.net]

'The Splitrock Times'.

OFFICERS

President Bruce N2XP

Vice Pres. Bob K2RFH

Treasurer Bruce N2OQX

Secretary Tracey KD2ISX

Trustee Bruce N2XP

Member at Large/'assistant to the President', Fred W2ABE.

Important note: VE testing is on the second Monday of every month. Check with [Find an Amateur Radio License Exam in Your Area (arrl.org)] for any possible changes. Testing is at the Mount Arlington Civic Center- Registration is at 7pm. Walk-ins are allowed.

Remember if you are a member of ARRL [and you should be] then subscribe to the weekly email update to keep aware of conditions and activities on the bands and League announcements.

The Club Meets every second Tuesday at 7:30 at the Mount Arlington Civic Center [the log cabin building at the west end of Fern Place]. The Club's mailing address is: S.A.R.A. PO Box 528 Lake Hopatcong, NJ 07849. Contact info: www.splitrockara.org or membership@splitrockara.org

The repeater is on 146.985, the offset is -600, and the PL is 131.8 Hz.

NOTICE: There will be NO zoom at the meetings for the time being due to WIFI issues

Submissions for the newsletter need to be in word format or an email.

Reminder: there is a \$35.00 fee paid directly to the FCC for new calls, vanity calls, and renewals. There is no FCC charge for upgrades.

Member profile submitted by any member this month.

THE PRESIDENT'S MESSAGE

To Splitrock Members,

This month we'll be having a presentation about MARS and Parks on the Air.

Field Day 2023 is coming up in June so the club will be planning the placement of antennas and radio equipment at this coming meeting.

If anyone has any ideas for topics, videos and guest speakers, send me an email at

President@splitrockara.org.

73,

Bruce N2XP

SARA President

ECLECTIC TECHNOLOGY

By: Fred Wawra, W2ABE.

This time Magnetic Anomalies

The earth's magnetic field is something that we take for granted, and it defends our planet from the ravages of the solar wind and cosmic radiation thereby making life on our planet possible. It is a dynamic system that is constantly changing, and every ten years or so there are what are called geomagnetic jerks, which are abrupt changes in the strength of earth's magnetic field, so called geomagnetic jerks. The magnetic field of the earth is constantly the state of magnetic flux (Pun intended) some variations take place over thousands of years while the sudden changes may last only a few years at most and may alter the magnetic field over specific parts of the globe at a time. The first recorded 'Jerk'

was in in western Europe in 1969 and since then there have been others about every ten years or so. These sudden magnetic shifts are not the same thing as the Northern Lights, which is the glowing of the northern atmosphere, or Aurora Borealis which is caused by the solar winds hitting earth's magnetosphere. The Geomagnetic jerks are thought to be caused by large areas of iron shifting deep inside the earth's core. This is speculation at this point since it is impossible with today's equipment to be able verify what is going on in earth's mantle, beneath the crust. A computer model suggests that buoyant blobs of molten matter are moving inside the earth's core. The computer model is the best we can do at this time, but at least it is a start. The effects of these 'abrupt' magnetic changes may be a sign of things to come, like longer days, as the blobs of the mantle pieces move out towards the earth's crust. It is like a skater whose outstretched arms slow down the rapid spin. This might make out days longer for some period of time. These changes would be extremely subtle like a few milliseconds over a few years' time! These magnetic sudden shifts make predictions of the actions of the magnetosphere difficult to predict. We know that the

weather is difficult to predict in and of itself so predicting a magnetic field's future is even more difficult.

Fred Wawra W2ABE, 73.

Do not forget the swap n'shop/tech net on the repeater at 8pm on Sunday nights!

THE LAST MEETING ATTENDEES WERE:

AC2JI JOE, K2GG SID,
N2XP BRUCE, N2ELC GEORGE,
KD2ISX TRACEY, N2GPH JACK,
N2DAE DAVE, WA2IMS STEVE,
KB2UNZ ED, WI2R PETE,
K2RFH BOB, KC2CSV MIKE,
KB2AMH KURT, N2AUG RICH,
KC2LTH JUDITH, W2ABE FRED,
N2OXQ BRUCE, DON PARRIOT.

GET ON THE AIR AND TAKE
TIME TO TALK TO A FELLOW
HAM!

SEE YOU AT THE NEXT
MEETING. 73'