

Features Of Solar Battery Explained To Kiwanis Club

Southern Bell Telephone Company's solar battery, which utilizes the sun's energy to generate electricity, was explained at a meeting of the Waynesville Kiwanis Club Tuesday night by C. T. McCulston, manager of the Waynesville and Canton telephone exchanges.

Mr. McCulston said that in a single 24-hour period, the sun generates one thousand trillion kilowatt hours of energy—more than has been generated by man in all of history.

He related that Southern Bell's solar battery was first introduced to the public in April, 1954, and utilized only 6 per cent of the sun's energy at that time. A year later, its efficiency had been increased to 11 per cent. The ultimate in efficiency of the solar battery, he said,

has been estimated at 20 per cent—which far surpasses any other method of power system in use today.

Mr. McCulston emphasized the value of the sun to the earth by pointing out that if the sun ceased to shine, the temperature would go down to a minus-459 Fahrenheit, all atmosphere would become liquified, and all living matter would die within a few hours.

The speaker told the Kiwanians that 5,000 years ago the Egyptians worshipped the sun and put dead bodies in solar boats—believing that the deceased would return to the sun. Some 2,000 years later, man first put the sun to work by inventing the sundial.

As early as 490 B.C. at the battle of Marathon, between the Greeks and the Persians, highly polished shields were used as signalling devices, and this device survives today in the "survival kits" given to American soldiers which contain mirrors for signalling aircraft and ground troops.

Mr. McCulston asserted that this nation's stocks of coal and oil are disappearing rapidly, pointing out that "they were put into the ground by God, and cannot be replaced by man."

He said that atomic power offers possibilities as a new source of fuel, but explained that two of the principal ingredients of atomic fuel—uranium and thorium—are natural resources taken out of the ground.

He added, however, that atomic research is well advanced because of support from the U. S. government. By contrast, he said, all research on uses of solar power is being carried on by private industry.

The telephone executive explained that one parabolic mirror device has now been devised to heat a stove hot enough for cooking, and another powers a solar still, used to distill 45 gallons of pure water from the sea each day. In the French Pyrenees Mountains, parabolic mirrors have heated substances 3000 degrees above Centigrade.

Mr. McCulston said that the Southern Bell solar battery utilizes silicon disks to harness the sun's energy, and the batteries are actually used today to furnish the power for a telephone system in Americus, Ga. He added that batteries on every fifth telephone pole furnish enough power to run the system.

To store energy for use at night when the sun is not shining, he pointed out, a capacitor has been invented for this purpose.

Mr. McCulston pointed out that the cost of using solar batteries in homes today would be prohibitive, but he said that "the future is bright" concerning their eventual adoption into the household.

Kiwanis president Ray Pleiness was in charge of the meeting.

The Rev. Doyle Miller has accepted the pastorate of the Fines Creek Memorial Baptist Church succeeding the Rev. Harold Townsend.

Mr. Miller delivered his first sermon Sunday following his election to a large number of people.

District Superintendent Rev. Frank Smathers has been conducting services this week at the Piney Grove Methodist Church on Upper Fines Creek.

Mr. and Mrs. Gordon A. Crump of Hickory have returned to their home after spending the past weekend with Mr. and Mrs. Fred Brown.

Mr. Hayden Rector and his sisters, the Misses Reva and Kate Rector of Gastonia were recent guests of relatives in Fines Creek.

Mrs. Woodrow Paxton and children and her aunt, Mrs. Mae Cogdill, spent last Sunday with Mrs. Paxton's parents, Mr. and Mrs. R. P. Ferguson in Madison County.

Mr. and Mrs. Avery Allen and family of Spring Creek visited with Mr. Allen's sister, Mrs. Fred Brown in this community on last weekend.

Mr. and Mrs. Ray Rathbone formerly of this section, who have been making their home in Newport News, Va., for some time, are moving back to Haywood County this week.

Mrs. Norman Arrington returned to her home from the Haywood County Hospital Saturday where she had been a patient for several days. She has had as her guest this week her sister, Mrs. Claude Clark.



GEORGI MALENKOV, Soviet Minister of Electric Power and former Premier wears a protective radiation badge in Harwell, England, as he toured Britain's big atomic plant there. Members of his delegation also visited power stations. Malenkov met with British Prime Minister Eden for 21 minutes at No. 10 Downing St. (International Radiophoto)

Asheville Firm Low On Parkway Bid

Asheville Contracting Co. was the low bidder for regrading 2.53 miles of Blue Ridge Parkway in Jackson and Swain counties.

The bid was \$181,965 for the project on the link from Big Witch Gap west into the headwaters of the Mingo Creek drainage.

The bids of the Asheville firm and six other contractors were opened at the C. S. Bureau of Public Roads office at Gatlinburg, Tenn.

The contract calls for grading, drainage and laying a crushed stone base.

The link was rough-graded in 1941 and 1942 before World War II restrictions stopped parkway construction work.

The bids submitted on the project ranged as high as \$342,285.

The Big Witch Gap link is part of the parkway section ranging from Soco Gap to Ravensford on U. S. Highway 441.

The two links from the parkway's North Carolina terminal at Ravensford were placed under construction contracts last winter and are scheduled to be completed in the 1957 construction season.

Francis Cove HDC Members Hold Craft Workshop

By MRS. RHODA RICKMAN, Community Reporter

Women of the Francis Cove Home Demonstration Club held a workshop in the dining room of the Methodist church Tuesday.

Participating were Mrs. Walter C. Ensley, Mrs. Roy McCracken, Mrs. Bryce Crawford, Mrs. Cash Edwards, Mrs. Fred Davis, and Mrs. R. C. Rickman.

Instructions were given by Mrs. Henry Francis and Miss Evelyn Siske, craft leaders.

Several articles were made, including aluminum trays, fruit bowls, ash trays, and brass waste baskets. Some copper tooling also was done.

A covered dish lunch was enjoyed by the group at noon.

The community extends a welcome to the Elbert Mills family, who have moved into Venson McElroy's tenant house.

Mrs. J. D. Frady, Jr., and son, Billy, of Edgefield, S. C., were weekend guests of Mr. and Mrs. Cosby Frady.

Miss Hettie Franklin, a student nurse at Memorial Mission Hospital in Asheville, spent the weekend with her parents, Mr. and Mrs. Walter Franklin.

Mr. and Mrs. Tom Cope of Red Springs were the weekend guests

Iron Duff CDP Hears Holloway

By MRS. RAY MILNER, Community Reporter

The schedule of events for the Haywood County CDP was presented to the Iron Duff CDP by Virgil Holloway, County agent, at their regular meeting on Monday night.

In addition to this schedule Holloway spoke on the way the people of the community could increase their incomes during this year.

Jonathan Woody, who was a special guest at the meeting, spoke briefly to the group and congratulated them on the fine work they were doing in their community in making it a more beautiful and profitable place to live.

The president, Jarvis Caldwell, was in charge of the business session of the meeting and Mrs. Roy Medford led the devotional.

Mr. and Mrs. Jarvis Caldwell who have moved to the Allen Creek Community were presented a silver pitcher by residents of the Iron Duff section. The presentation was made by Ray Milner.

Refreshments and a fellowship period followed the meeting.

of Mrs. Cope's parents, Mr. and Mrs. W. K. Boone.

Norman Mitchell has returned home after treatment in the Haywood County Hospital, and is doing nicely.

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Soil Conservation Course In Schools To Be Discussed

Conservation education in Haywood County schools will be discussed Tuesday morning at the courthouse at a meeting of Soil Conservation District supervisors with county school officials.

Van C. Wells, chairman of the soil supervisors, said that invitations to the meeting have been sent to Faraday C. Green, chairman of county commissioners; Lawrence B. Leatherwood, superintendent of county-system schools; Rowe Henry, superintendent of Canton District schools; Rev. Lawrence Newman of St. John's School; Mrs. Grace Stamey, Mrs. Carl Ratcliffe, and Mrs. Alma Browning, school supervisors.

Also attending will be Virgil L. Holloway, county farm agent, and T. W. Bridges, district soil conservationist.

In a letter to the school officials, Mr. Wells wrote: "We are equipped to make available to your teachers the latest conservation education teaching aids that have been prepared by the U. S. Department of Agriculture's Soil Conservation Service and by our own National Association of Soil Conservation Districts."

DEATHS

FRED M. SEGLE

Fred M. Segle, 71, died at 4:30 p.m. Wednesday in his home in Morning Star Community.

Surviving are the widow, Mrs. Bessie Farley Segle; a son, Paul of Benecia, Calif.; and two grandchildren.

Funeral arrangements under the direction of Wells Funeral Home are incomplete.

Rev. Doyle Miller Becomes Pastor F. C. Memorial

By MRS. SAM FERGUSON, Community Reporter

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