

BRAIN GENERATES ELECTRIC WAVES SCIENTISTS FIND

Direct Current During Consciousness Turns Negative When Unconscious—A. C. Current Also Found

By Howard W. Blakeslee
Associated Press Science Editor
SAN FRANCISCO, June 9.—New light on the human brain, in the form of long, low-voltage waves of direct electric current flowing from gray matter, was discussed by the American Psychiatric association here today.

This direct current is positive during consciousness, negative in unconsciousness and apparently the forerunner of death when it lasts too long.

Its discovery amazed the brain specialists for two reasons. The brain gives off the direct current simultaneously with alternating current. One wave of the direct current lasts ten to thirty minutes while the "A.C." pulsates at an average of ten a second.

Dynamios In Brain

The dynamios in the brain appear to be the individual cells of gray matter. According to the discussion here, these brain dynamios are capable of linking up like the stations of a super-power system. They combine into networks which change their size and their voltage in tune with the physical changes in gray matter during health and disease.

The direct current was discovered by Robert Cohn, M. D., and Carl Langenstrass, M. D., of St. Elizabeth's hospital, Washington. It was detected while giving the new insulin shock treatment to patients suffering from schizophrenia.

Under insulin shock, a patient usually becomes unconscious. While the St. Elizabeth patients were conscious, the long waves of direct current were positive electricity. When they became unconscious the electric current was negative.

The change from positive to negative was not abrupt. The current would swing back and forth, gradually becoming more uniformly negative.

Tried On Cats
Experiments on cats with insulin shock were tried. Making the animals up after they become unconscious usually caused the current to swing back to positive until the animals closed their eyes again. The avoid death it was necessary to prevent the current from running negative too long.

Complaints that psychoanalysis sometimes interferes with morals were reported by Gerald R. Jamieson, M. D., and Edwin E. McNeil, M. D., of the New York hospital, New York city. They told of a study of 17 psychoanalyzed.

"One of the complaints frequently expressed by relatives of these patients," they said, "was that moral codes and inhibitions had been disrupted by the analysis. Explanations to the family that psychotic patients are unable to conform consciously to usual social patterns were brushed

aside by reference to patients' behavior being otherwise before analytic treatment began."

They suggested that psychoanalysis be done in hospitals.

MEDFORD GIRL WINS O.S.C. SCHOLARSHIP

OREGON STATE COLLEGE, Corvallis, June 9.—(Sp.)—Miss Betty Jo Southwick, who was graduated from Medford senior high school this spring, has received a state board of higher education scholarship to O. S. C. This fall, and plans to enroll in secretarial science.

Miss Southwick was highly recommended for this scholarship by members of the community whose comments on her character, ability and worthiness were requested by the state high school contacts committee, which makes the selection. She maintained a high scholastic average during her high school career. She expects to arrive in Corvallis for the opening of freshman week, September 19 to 24.

4-H SUMMER SCHOOL LEADERS SELECTED

CORVALLIS, June 9.—(Sp.)—The 4-H club summer school elected Mary Louise Armstrong, Portland, and Roger Duml, Carlton, heads of the girls' and boys' executive councils yesterday.

With 130 county leaders, more than a thousand girls and some 650 boys are attending the school.

Other members of the boys' council included Bob Blickestaff, Klamath Falls; Dean Jackson, Cottage Grove; Walter Robertson, Blachly; Joe Berger, Beaverton; Ed Setniker, Hillsboro; Chauncy Barnes, Halsey; Clayton Barne, Halsey; Clayton and Wilbur Nyberg, Tualatin, and Bob King, Moro.

Girls' council members remain to be chosen.

UNSPANKED BOYS SENT TO INDUSTRIAL SCHOOL

FITCHBURG, Mass., June 9.—(Sp.)—Two boys, whose fathers failed to carry out the suggestion of Judge Thomas F. Gallagher, that they be whipped for larceny of wire from a railroad signal system, today were adjudged delinquent and sentenced to the Shirley industrial school. They appeared and were held in \$300 bond each.

Harry Woodworth, father of Harold Woodworth, 16, told the court he did not consider it right to punish the boys and had not punished them.

Joseph Allen, whose son William, 15, was also sentenced, said he had been in ill health for some time and was not physically able to carry out the whipping.

Postmen Busy
LUBK, Wyo. (AP)—Lusk claims the distinction of being the only county seat in the United States to receive airmail service from every postoffice in the county. It happened during the recent air mail week program.

CRATER LAKE PARK WILL BE IN FULL SWING BY JULY 1

CRATER LAKE (Sp.)—With the snow disappearing rapidly in the mountains, Superintendent E. P. Leavitt expects to have all facilities in Crater Lake national park available for the public by July 1.

The parking area at the rim has been enlarged to accommodate heavy spring travel. Snow removal crews are now at work opening the rim road. It is expected that the east entrance road via the Lost Creek checking station and park headquarters will be open for travel on June 15. The remainder of the rim road, including the north entrance road from Diamond lake will be open by July 1.

Public campground facilities will be available by June 15 with two campgrounds, Annie Spring and Cold Spring, open to accommodate visitors wishing to camp overnight in the park. Limited camping space will be available in the rim campground about July 1. Camping in Crater Lake national park is free, the park supplying fuel, camp stoves, tables and rest rooms. Campers are permitted to occupy a camp for 30 days.

It is expected to have the trail to the lake open by July 1. On that date launch service with daily trips around the lake as well as to Wizard Island and the Phantom Ship will begin. Rowboats for visitors wishing to fish in Crater lake will be available just as soon as the trail to the lake is open. No license is required to fish in Crater lake. The limit catch is 12 fish a day.

Daily round trip bus service between the park and Medford and Klamath Falls will begin July 1 and continue until September 20.

Car Hits Flagman
THE DALLES, Ore., June 9.—(AP)—An automobile driven by Raymond E. Hines, 18, Mt. Hood, struck and dragged Omer O. James, Hood River, a flagman for the state highway commission at Mosel tunnel, yesterday. James, dragged 29 feet, was in a hospital here in critical condition from a broken neck, brain concussion and face lacerations.

SAN DIEGO, Calif., June 9.—(AP)
—A marriage license was issued here yesterday to Joseph J. Rippert, 21, San Diego, and Ruth H. Shaw, 18, Grants Pass, Ore.

LAKE O' WOODS RESORT OPEN BY JUNE 15TH IS WORD BY MANAGEMENT

Resort at Lake o' the Woods will be opened not later than June 15, with a gala opening dance set for June 25, it was announced today by Capt. H. P. Phelan, manager.

A crew has been at work putting the resort in readiness for the opening, adding new touches to the enjoyment of patrons this year, Capt. Phelan related.

The Butte Falls road to the lake is now in good condition, Rogue River national forest workers having

leveled uneven spots and filled in holes, Capt. Phelan said, adding he made the trip from the lake to Medford in less than two hours.

The lake, he stated, is at its highest level in 40 years, the landing field still being submerged. Despite the high water base fishing is good, he said.

A gala program is being prepared for July 4, the manager announced. The day's events will include a motor boat regatta, swimming races, fireworks and dancing.

Weather.
Northern California: Fair tonight and Friday, but fogs on south coast, warmer in interior of central and south portions tonight; moderate northwest wind off the coast.

Oregon: Fair tonight and Friday, warmer in interior Friday; moderate northwest wind off the coast.

Use Mail Tribune Want Ads.


Nissen Corrects Posture Of Young
Correction of faulty and troublesome postures in children is an added service being offered by the Nissen Institute during the summer vacation period.

Fritz Nissen, institute owner, has had wide experience in this type of physiotherapy. To make the correctional processes interesting to children, he administers his treatments in the form of play at his gymnasium which is equipped with a variety of apparatus designed to arouse the cooperative interest of the youngsters.

Notice.
The Medford Poultry and Egg Co. will not be responsible for any bills contracted by C. J. Geor, otherwise Clarence J. Geor.
(Signed) H. C. FREDETTE.

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New Low Prices—Penney's White Fair



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Were 94c Now **88c**

Penney's again break all records in offering you our largest size 81x108 inch Nation-wide sheet at this VERY SPECIAL NEW LOW PRICE. Only Penney's tremendous buying power makes this unusual value possible. 42x36 inch Nation-wide pillow cases are now only 18c.

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LOW PRICED Smartness TOWELS

For Bathrooms!

Just Unpacked 1000 Cannon Towels for this big June White Goods event. Now Extra Large Terry Towels:

17x36 inch size . . . 10c

20x39 inch size . . . 15c

23x46 inch size . . . 25c

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A grand variety of new tank models, smartest colors! Newest styles! And grand values! Compare Swimaways and be convinced of their outstanding value! Others \$1.98-\$3.98.

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Open mesh—colored plaid centers and borders.

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Colored visors with adjustable sweat bands.

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Unbleached Muslin

Good quality, natural color, 36 yard muslin at a new low price.

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Colorful Cretonnes

Good quality, 36-inch cretonnes in a variety of new patterns and colors. Yard.

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What A Buy!

81-in. Sheeting, yd. Good Weight, Natural Color

19c

Make Sheets at Low Cost!

It's little trouble and real economy to make full sized sheets from this unbleached, firmly woven, 81-inch sheeting! Three hundred yards in this latest shipment.

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42x36 inch hemmed Belle Isle Pillow Cases; excellent values.

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Featured Tomorrow

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Boy's White Ducks

Boys' good weight sanforized shrunken white duck pants; adjustable side loops, slack style; sizes 6 to 16.

79c

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Women's Slacks

Sanforized twill and whipcord waist slacks. White, Gold, Brown, Royal and Navy Blue. Sizes 12 to 20.

79c

PENNEY'S Second Floor

Batiste Gowns

Cool—dainty figured batiste gowns—white grounds with pastel colored figures—sizes 16 to 20.

49c

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Special Buy! Children's RAYON PANTIES

10c pr.

A closeout value on good weight rayon knit panties for kiddies. Fresh color only; sizes 6 to 16.

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Women's and Men's

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Men's 17x17 inch good quality hemmed white handkerchiefs and Women's 12x12 inch plain white cotton handkerchiefs and some colored sport handkerchiefs.

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Over 200 Brand New

Crepe Frocks

At Only **\$1.97 ea.**

Cool summer—washable materials and prints on light grounds, ray stripes, intricating plaids, in a group of most clever styles. You'll want several. Sizes 12 to 20, 38 to 44.

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Men's Wash Pants

Men's cool summer slack style wash pants, assorted colors, sizes 28 to 42. Also white duck pants.

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Boys' Cool POLO SHIRTS

Popular Colors! **19c**

Combed cotton in novel honeycomb stitch! Eyelet collar, rope tie. Fast colors! Sizes 2 to 16.

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Our lowest price yet on Men's good quality cool mesh knit polo shirts; whites and colors.

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TOT'S SUN SUITS

Tots—1 to 6 cool sun suits for hot summer days; also chambray play suits, age 1 to 8.

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Best buy we've ever offered—full cut broad cloth elastic side shorts and cool ribbed knit cotton shirts; all sizes.

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Men's cool summer slack style wash pants, assorted colors, sizes 28 to 42. Also white duck pants.

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BEACH SANDALS

Comfortable cut out sandal style beach shoes, in red, green, blue, gold and natural.

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Oxhide, bib style or rivet waist band overalls—made to wear. Feature low price!

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Men's sanforized shrunken blue chambray shirts, full cut cost style. Compare this value!

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Men's all wool Swimaway TRUNKS

Pure Wool Worsted. **98c**

Swimmers' favorite styles! Form fitting . . . in rich, solid colors! Built-in support!

Boys' sizes 89c

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