

Student Uses 'Scrounged' Items In Seismograph; Gets Top Award

A bag of cement, a sheet of aluminum, some old piano wire, a wax candle, second-hand phonograph needle, and a few other "scrounged" items.

Eighteen-year-old Dale Peterson, Medford High school senior, put them all together and made a seismograph which he sold last week to the Oregon Museum of Science and Industry, Portland.

The unique instrument, built over the past few months with \$32 and a great enthusiasm for geophysics, won the Medford student a top award in the Oregon Science Talent search and is now on display at the museum.

Awards Announcement

Its young builder is awaiting announcement of his rating among the four top winners of the talent search, and he is also expecting to settle soon on a price for his unusual entry. It is to be placed in a special housing at the museum and will be used as an exhibit and teaching device.

Final announcement of winners in the Oregon talent search, sponsored by the Museum of Science and Industry, will be made May 27 at a science award dinner at Portland State college center. Westinghouse corporation sponsors the national talent search project.

Young Peterson, an honor student in the major work group at Medford High, has worked with encouragement from his science teacher, Ryder Berg, his parents, Mr. and Mrs. Wayne L. Peterson, 418 South Oakdale ave., and from others on the school staff.

Guidance from Notebook

Guidance for construction of the seismograph came from a well-worn blue notebook containing information Dale has gleaned from every source listed in the Northwest Bibliography center.

Other help has come from press reports on earthquakes throughout the world, and from periodicals which the student has gathered in his search.

Dale describes himself as a "master moocher," for he has collected all kinds of possibly useful items from a varied group of older friends. The seismograph, a "Borsch Omari horizontal type," rests on three slabs of cement which Dale, himself, poured. The slabs are joined by iron rods fastened in the cement.

A diesel piston filled with lead, and a copper vane in a pan of heavy-weight oil are important parts of the structure's pendulum.

Brass tubing connects the pendulum to a recording stylus, which marks vibrations on smoked paper covering the rotating drum.

The 18-year-old connected a clock to the parts so the hour, minute and seconds of vibrations can be recorded. Dale has decided that the Rogue valley is a poor place to use a seismograph, because it rests on a loose base and reacts like a bowl of jelly to the earth's vibrations.

Now he is looking for a solid spot in the valley, where he might place a cement pier in bed rock, and sometime in the future he hopes to install his latest project—a smaller electronic type seismograph, not so cumbersome as the one just completed.

But the "master moocher" has to spend some time first gathering more miscellany for the machine. A special model record player, produced by Philco about 1944-48, is the most important missing part. He hopes to find that as a long-forgotten cast-off in someone's local attic, and then perhaps the sale of the first model to the Portland museum will help finance the heavier expenses of electronic parts for the second.

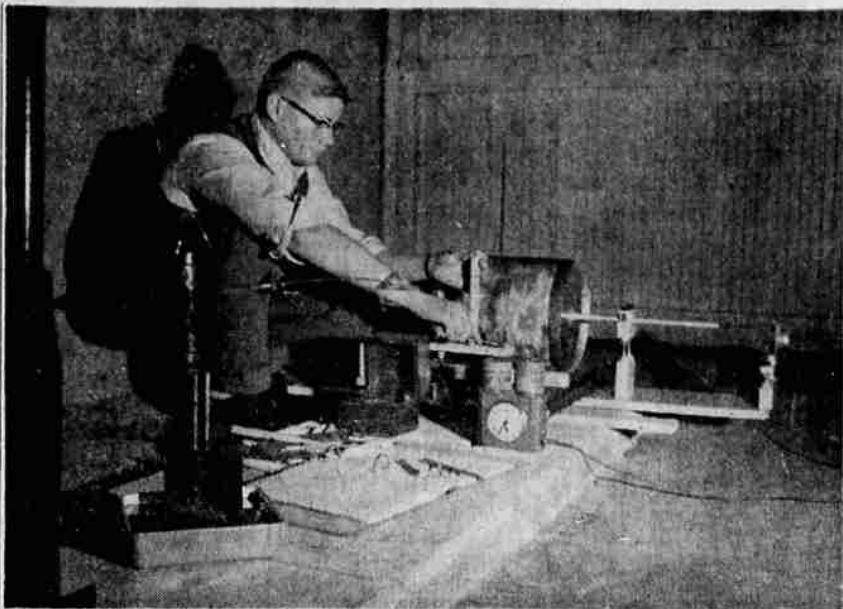
At any rate, Dale is optimistic about completing the latest model soon, and perhaps the sale of that will help with expenses at the Colorado School of Mines which he plans to enter this fall.

Two Juveniles Are Taken Into Custody

Two 13-year-old Medford girls were taken into protective custody by Medford police Thursday after they admitted to stealing a woman's billfold containing \$8 from a local store.

Police said the billfold was taken from a table at the Singer Sewing Machine company, 318 East Main st., about 3 p.m. Wednesday.

Police said a school book belonging to one of the girls was found at the scene of the theft and this led them to the suspects. One girl was confined in the juvenile detention home and the other was released to the custody of her mother.



HIGH SCHOOL SEISMOLOGIST — The "infernal machine" above, shown with its builder, 18-year-old Dale Peterson, Medford High school student, was constructed from \$32 worth of miscellaneous material and sundry articles young Peterson says he "scrounged" from friends. Peterson is holding a wax candle which he uses to smoke paper covering the drum which re-

records vibrations. A stylus connects via brass tubing to the pendulum, made of a diesel piston filled with lead, and a copper vane. The student declared that the earthquake-proof Rogue valley is a poor place to test a seismograph. His award-winning apparatus is now on display at the Oregon Museum of Science and Industry, which will soon be its new owner.

MEDFORD TRIBUNE

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Subcommittee To Coordinate Work By Study Group

A coordination subcommittee of the Jackson county home rule charter committee was appointed Thursday night.

The subcommittee will determine points generally agreed upon by the charter committee members and determine what areas require more study. The group will prepare a questionnaire giving the various alternatives presented in the study so far.

Members are Philip Humphreys, chairman, Dr. Arthur Kreisman and William Jess. Charter Committee Chairman Mrs. Thomas Rutter read a pamphlet, "The New Look on Home Rule" covering the problems associated with preparing a charter and the basic philosophy involved.

Main Reasons Listed

The booklet indicated main reasons for charters failing are: (1) political parties are hostile since they feel the home rule charter will weaken the party standing in the county, (2) people oppose non-partisan elections, (3) charter

committees don't follow through, (4) charter committees too often sharply disagree after the charter proposal is prepared, (5) the citizen members of the charter committee don't know how to wage an effective political campaign for their charter proposal.

The charter committee reviewed the last Benton county charter committee minutes. Benton county has received a petition for a county manager form of government. The committee has been thinking of a nine-man county council type of administration. Six of the council would be selected geographically and three at large.

The group also discussed the Missouri plan for appointive offices. The county council would appoint department heads, then at the end of their terms of office they would be up for election.

SOC Students Are Accepted at Schools

Ashland — Dr. Marvin D. Coffey and Dr. Lloyd D. Pennington, co-advisers to pre-medical and pre-dental students at Southern Oregon college, have announced that several students have been accepted to professional schools for the coming year.

They reported that the rate of acceptance to such schools for SOC students was nearly 100 per cent.

The students are Philip Mongrain, Medford, a senior

accepted to Stanford medical school; Robert Kubick, Grants Pass, a junior accepted to the University of Oregon medical school, Portland; Len Dobry, Malin, a senior accepted to the University of Oregon dental school; Lloyd Bendickson, Medford, a junior accepted to the University of Oregon dental school; and Elizabeth Prammann, a junior accepted to Loma Linda college of medical evangelists for physical therapy.

Openings Noted For JESSI Program At Oregon Schools

Portland — School students in the 10th, 11th and 12th grades will be admitted to the sixth annual Oregon Junior Engineers and Scientists Summer Institute (JESSI) up to the opening day of the session, or until the roster is filled.

Stanley H. Shirk, executive director of Scientists of Tomorrow, announced that the date of the Oregon State university JESSI for boys is June 11-24, and the Willamette university JESSI for girls is June 18 to July 1.

The institute is a guidance activity in sciences and engineering for high school students of college caliber, he explained. It is designed "to help remove the guess from college program and career decisions."

Enrollees are under tutelage of the science and engineering staffs of host campuses, who introduce students to broad fields of pure and basic engineering sciences and to sub-divisions of each.

Total cost of the two weeks on campus is \$105, and includes tuition, board and room, supervision, insurance and program incidentals. Boys and girls who plan to enroll are urged to send applications to the campuses as soon as possible.

Additional information may be obtained from Scientists of Tomorrow, 309 New Fliedner building, Portland 5. The organization is non-profit, operating to activate JESSI sessions on college and university campuses throughout the country.

Engineer Joins Corvallis Company

Wilbur L. (Bill) Warren, Medford, former assistant chief engineer for California-Oregon Power company, has joined the regional engineering firm of Cornell, Howland, Hayes and Merryfield, Corvallis, the company has announced.

Warren has been with Copco since 1953, first as resident engineer on hydroelectric projects and for the past two years as assistant chief engineer. He formerly served as resident engineer with the City of Medford Water commission.

He is a graduate of Stanford university. His first assignment in the new post will be as resident engineer on the Kingsley Air Force base reconstruction project, Klamath Falls.

Three E's Reviewed By Warmouth At Safety Patrol Event

Every member of the community has "a share of stock in the Traffic Safety Corporation" and a responsibility to see that the "corporation" is successful, according to Ed Warmouth, manager of the traffic safety division, Oregon department of motor vehicles.

Warmouth spoke Friday night at the annual school patrol banquet honoring school patrol members in the Medford school district and of St. Mary's school.

The event, sponsored by the Medford Safety Council and participating service clubs, school organizations and fraternal organizations, attracted about 450 persons at Hedrick Junior High auditorium, according to Elliott Becken, Medford public schools, general chairman of the dinner.

Warmouth, in addition to drawing the parallel of successful safety programs to successful corporations, pointed out the importance of the

"three-E's," engineering, education and enforcement as they relate to traffic safety.

Good Examples

He called on the school patrol members to be good examples to their fellow students and to set an example of safety consciousness for the whole community to follow.

School patrol members, 225 in all, received individual badges denoting their rank in the school patrol as well as a pen and pencil set from the Medford Safety Council.

Presentation of awards was made by Mayor John W. Snider, Russ Jamison, Medford, served as master of ceremonies.

Rudy Tetreault, president of the Medford Safety Council, complimented the students on their safety activities and commended the community for their support of the banquet. It was the largest attendance ever recorded, Tetreault said.

Six Persons Appear in Circuit Court Thursday

Six persons appeared in circuit court Thursday before Judge James M. Main.

One of them, Dennis William Smith, 29, of general delivery, Medford, was sentenced to two years in the Oregon state penitentiary for obtaining property by false pretenses.

Lawrence Delano Isgrigg, 20, Ashland, had imposition of sentence suspended for five years under the supervision of the state board of parole and that he make restitution. He is charged with larceny in a dwelling house.

Also appearing on a similar charge was Leslie E. Boss, 18, of 63 Oak dr., Medford.

Don Hanson was appointed his attorney.

Wilburn Dell Crawford, 39, of Modesto, Calif., appeared on a charge of uttering and publishing a false check. He pleaded guilty to the charge, and the case was continued for sentencing.

Stephen Allen Love, 60, of route 1, box 18, Rogue River, had San Harrison, Medford lawyer, appointed to represent him. He is charged with attempted rape.

Bernice Anne Phillips, 39, of South Grape st., Medford, pleaded guilty to a charge of larceny from a person. Her case was continued pending receipt of a pre-sentencing report.

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Booklet Designed For Forest Users

Portland — A new booklet designed to give Americans a better understanding of how their national forests are managed is available from the U. S. forest service, according to J. Herbert Stone, regional forester.

The department of agriculture booklet, "Multiple Use—The National Forests and Your Family," was written especially for forest users. It

describes sustained-yield multiple-use of the national forests in nontechnical, down-to-earth language. The 23-page, pocket-sized book is illustrated with drawings and photographs, many of which were taken in the Pacific Northwest.

A free copy of the booklet may be obtained from the regional forester, post office box 4137, Portland 8.

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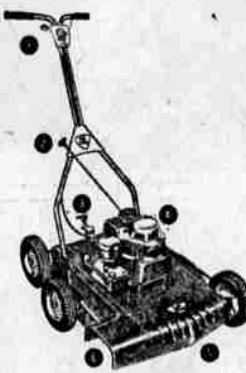
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