DECAY MAY STAY:

'U' Expert Calls Dental Aid Report Premature

By FRAN IVICK

A national magazine's sensational report of a new treatment which insures against 90 per cent of tooth decay, was deemed premature by a University dental authority.

The new method, in which the teeth are coated with a fast-hardening precipitate, was formulated by Baylor University Dr. Bernhard Gottlieb, a former member of the University dental school faculty, according to Dr. Floyd D. Ostrander, professor of dentistry.

"SO FAR," Dr. Ostrander said, "the treatment hasn't been tried on enough people to prove anything. The report should have first appeared in a scientific journal, with popular publication held off until tests were conclusive."

The new treatment should be tried on hundreds of people before it can be accepted as effective, according to Ostrander, who said that many other factors may have caused the decline of decay in the patients treated.

"At any rate, I doubt that the new precipitate is actually 90 per cent effective," Dr. Ostrander declared. "Right now we have methods of slowing decay by silver nitrate or fluorine swabbing, and these are proved treatments."

THE NEW TREATMENT calls for swabbing dry teeth with a solution of zinc chloride, followed by potassium ferrocyanide and silver nitrate. The hard, dried coating is supposed to protect the teeth from decay and lower cold sensitivity for nearly a year.

"From the tests mentioned in the article, I have found no proof of the duration," Dr. Ostrander said. "Furthermore, the treatment hinges on Dr. Gottlieb's theory of tooth decay, which isn't widely accepted."

Dr. Gottlieb believes that decay is restricted to fissures in the outer enamel, which the new precipitate plugs up, and to tooth dentine, whereas the most popular theory is that decay can occur any place on the enamel.

Worker Voice In Supervision Raises Output

Workers produce more if they have a share in management, a meeting of city managers from all over the state was told yesterday.

Everett Reimer, Survey Research Center consultant, explained that workers' participation in decisions about their own jobs increases productivity, according to results of two experiments carried out by the Center.

HE SPOKE at the final session of the two-day Management Clinic sponsored by the International City Managers' Association and the University Institute of Public Administration.

One of the experiments, carried out in the central office of a life-insurance company, showed that high-production groups had less close supervision, more democratic supervision, more democratic supervisors, more group pride and more satisfaction from their work. But Reimer warned, not all the results may be generally applicable.

The other experiment, among Detroit Edison Co. employees, tended to confirm the importance of worker-participation, he said.

A major difficulty in social-science research is applying the results to the practical situation, Reimer pointed out. Competent technicians are ready to apply physical sciences' research findings to industry, but "we haven't any social engineers," he said.

Opera Group Calls for Help

General, Promotion Staff Jobs Available

Aspiring P. T. Barnums, Billy Rozes and Buck Dawsons are invited by the Union Opera Committee to attend the organizational meeting of its promotions staff at 3 p.m. tomorrow, in Rm. 3A of the Union.

Promotions head Bill Zerman announced that positions are available for persons interested in all types of promotional work for the forthcoming Union Opera presentation, "Froggy Bottom."

HE EXPLAINED that an extensive publicity campaign will be undertaken, including the media of the press and radio, and special publicity work among students and alumni.

Dave Leyshon, chairman of the Union Opera Committee, announced an organizational meeting of the general opera committee will be held at 4:30 p.m. Monday in Rm. 3G of the Union.

He requested that present members as well as those interested in joining the staff attend the session.

Night School Registration Will Continue

Registration for evening school classes at Ann Arbor High School, 165 S. State, will continue today and through next week, Arthur Remy, Principal of the Evening School announced.

Fifty-four courses, including hobbies, academic subjects, business, homemaking, arts and industry are being offered, in the largest program in the school's history.

A RECORD-breaking 500 persons signed up at the official registration Thursday night, Mr. Remy urges other interested persons to register as soon as possible.

Fees for the 12 week semester are three dollars for most courses, except shop and laboratory which are five dollars. Hours for most classes will be 8 to 10 p.m. at Ann Arbor High School.

New courses include dress design, advanced bookkeeping and accounting, educational use of films and other audio-visual aids, social security laws.

Second semester courses in child psychology, photography and semantics will continue from similar first semester courses.

Three courses, home motion pictures, creative music and landscaping and gardening have been added since the catalogue was published.

Further information may be obtained by calling 2-1786.

Art Exhibit Here

"Work in Progress in Michigan," an exhibit of paintings, sculpture and ceramics executed by Michigan artists, will open Sunday in the South Gallery of the University Museum of Art.

The exhibition will feature the works of four distinguished Michigan artists, Sarakis Sarkisian, Matja Grotell, Zubel Katcharoorian and Marshall Fredericks.

The Senator Was Indiscreet?





The name of heiress-actress June Millarde (left), known also as Toni Seven, has been linked romantically with that of Senator Warren Magnuson (Dem., Wash., shown above) who has been listed "necessarily absent" from the first sessions of the 81st Congress. An air of mild mystery developed Jan. 6 over the current whereabouts of the 43-year old senator after reports were published that Miss Millarde left New York late in November to marry him.

NEW VIEW FOR SCIENTISTS:

Radar Antenna Adorns Engineering Building

A Signal Corps radar antenna was recently mounted on the roof of the East Engineering Building, where it commands a majestic view of Ann Arbor.

The three ton set, used during the war for anti-aircraft fire control, will now be used for laboratory instruction and research work in the science of electronics, according to Robert Hegler of the electrical engineering department, who is in charge of the project.

observe a practical application of the electrical principles so diligently studied in the class room. The radar equipment will also be valuable for the education of Air Force officer personnel attending the University. Hegler pointed out.

He explained that the antenna sends out a pulse of electrical energy as it rotates. If the pulse encounters an object, such as an airplane, part of it is reflected back.

After the object is located by the lower of two frequencies, its movements can be followed by the higher frequency of the antenna.

Two trucks and a large trailer were required to bring the massive radar set to Ann Arbor. The major parts of the equipment are being installed in a laboratory directly beneath the antenna.

Hegler hopefully predicted that the installation of the set would soon be completed and the antenna placed in operation in the early part of next semester.

DAILY OFFICIAL BULLETIN

(Continued from Page 3)

Room, Michigan League. Everybody welcome.

U. of M. Hot Record Society: "The greatest recordings of Sidney Bechet," will be presented in the Michigan League Ballroom, Sun., 8 p.m. Everyone is invited.

Graduate Outing Club will meet at 2:15 p.m., Sun., Jan. 9, at the northwest entrance to Rackham Building for ice-skating and hiking. Sign list at Rackham Checkroom desk. All graduates welcome.

Society for General Semantics: 3 p.m., Sun., Jan. 9, International Center.

First Herd of

BOSTON, Mass.—The first city park in the United States was Boston Common, which was set aside in 1634 as common community ground.

At first, it was principally used as sheep pasture.

Not until the 1900's did city planners see the full value of parks as recreational sites.

Speech Play Opens Here Wednesday

Employing some of the most spectacular production techniques in the history of the University theatre productions, the Department of Speech will present "The Tragical History of Doctor Faustus," on Jan. 12 through 15.

Written by Christopher Marlowe in 1589, the play has seldom been done in recent years but received the unanimous acclaim of the critics when produced by Orson Welle on Broadway as a Federal Theatre project. The noted Old Vic Theatre Company is including it in their current repertoire.

"DR. FAUSTUS" is the story of a German philosopher who sells his soul to the devil in exchange for universal knowledge. Many scenes are centered in the realm of the supernatural and the entire play is written in verse.

One of the most unique innovations in the production which is under the direction of Dr. Hugh Norton will be the use of special off-stage musical effects. Special music has been composed especially for this performance by Edward Chudacoff of the University School of Music.

Another feature of the production will be a group of original dances directed by Dr. Juana Laban of the Physical Education Department.

Tickets for the play will go on sale at the Lydia Mendelssohn box office Monday, Jan. 10 with mail orders being received now. A special student rate will be in effect for the Wed. and Thurs. performances.

THE SILVER KING

HAIL TO PHARAOH!:

Sphinx To Stalk Sophomore Men in Spring Honors Tap

EDITOR'S NOTE—This is another in a series of articles on men's honorary societies at the University as prepared by Janet Watts.

The Pharoah mave have his eye on you.

If you are a sophomore man in the literary, education, business administration, or forestry school and active in campus affairs, you may be eligible for Sphinx, campus honor society.

ABOUT 25 of these men are selected each spring by the groups for tapping. For initiation the new men must scrub Angell Hall steps and generally undergo a shape of a Pharoah head, "rough hazing" which includes bowing before an image of Sphinx set into the wall of the Angell Hall lobby.

The society, which was inactive during the war, has now returned to its pre-war status. The main project of the year is to "get underway," said President Gus Stager.

"Our main idea is to give the initiative to changes in the campus scene which would better the University," he said.

Sphinx members may be identified by the small gold pin in the shape of a Pharoah head.

GOING HOME?



Be Safe!!

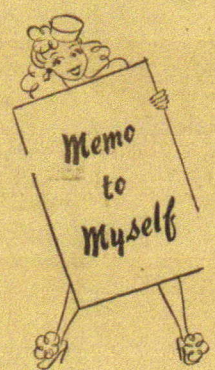
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University Branch 330 S. State



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FUN at the basketball game with TNT

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FLING aside those books for the hockey game.

DILLON'S have new skirts and sweaters just right for warmth and style.

BEFORE the Union dance

remember EIBLER'S for a necklace and bracelet to complement that new dress.

FINALS bring thoughts of J-Hop

And that's the night for Schiaparelli's "Shocking" Perfume from CALKINS-FLETCHER.

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STAG OR DRAG

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Come to Church

FIRST CONGREGATIONAL CHURCH

State and William Streets
Minister—Rev. Leonard A. Parr, D.D.
Direc. Student Work—Rev. H. L. Pickerill
Assistant—Miss Jean Garee
Director of Music—Wayne Dunlap
Organist—J. B. Strickland

9:30 A.M.—Junior and Intermediate Church School.
9:40 A.M.—Student Bible Study Class led by Rev. H. L. Pickerill.
10:45 A.M.—Public Worship. "The Only Religious Difficulty."
6:00 P.M.—Congregational-Disciples Student Guild at the Memorial Christian Church.

FIRST BAPTIST CHURCH

512 East Huron
Rev. C. H. Loucks, Minister
Roger Williams Guild House
502 East Huron

10:00 A.M.—Bible Study Class. A study of the teachings of Jesus.
11:00 A.M.—Morning Worship. Sermon by Rev. Loucks, "God's Word of Power."
6:00 P.M.—Guild Program. Debate: Resolved that we should have church union now.

ST. ANDREW'S EPISCOPAL CHURCH

Division at Catherine

8:00 A.M.—Holy Communion.
9:00 A.M.—Holy Communion (followed by Student Breakfast, Canterbury House)
11:00 A.M.—Morning Prayer. Sermon by the Rev. Henry Lewis.
11:00 A.M.—Junior Church.
12:15 P.M.—After-Service Fellowship.
5:30 P.M.—Young People's Fellowship, Page Hall.
5:30 P.M.—Canterbury Club Supper and Program, Canterbury House. Mr. DeWitt Baldwin, Program Director of S.R.A., will speak on "Summer Service Projects."
8:00 P.M.—Epiphany Festival of Lights. Music by the Schola Canterum. Sermon by the Rev. G. Alexander Miller, Rector of St. John's Church, Plymouth.
Wednesday, 7:15 A.M. — Holy Communion (followed by Student Breakfast, Canterbury House)
Friday, 4:00 to 6:00 P.M.—Open House, Canterbury House.

MEMORIAL CHRISTIAN CHURCH

(Disciples of Christ)

Hill and Tappan
P. E. Zendt, Minister to the Congregation.
Howard Farrar, Choir Director

9:40 A.M.—Student bible class at the church.
10:50 A.M.—Morning Worship. Nursery for children during the service.

GUILD HOUSE, 438 Maynard Street
H. L. Pickerill, Minister to Students
Jean Garee, Assistant in Student Work

6:00 P.M.—Student Guild. New Year's Dedication Service following the 6:00 supper in the Memorial Christian Church.

LUTHERAN STUDENT ASSOCIATION

For National Lutheran Council Students
1304 Hill Street
Henry O. Yoder, Pastor

9:10-10:00 A.M.—Bible Hour at the Center.
10:30 A.M.—Worship Services in Zion and Trinity Churches. Holy Communion in Zion.
5:30 P.M.—L.S.A. Meeting in Zion Parish Hall. Mr. Paul Doerman, L.S.A. member and U. of M. Medical School student, speaker.
Tuesday, 7:30-8:30 P.M. — Special Interest Group at the Center.
Wednesday, 4:00-5:30 P.M.—Tea and Coffee Hour at the Center.

BETHLEHEM EVANGELICAL and REFORMED CHURCH

423 South Fourth Ave.
Theodore R. Schmale, D.D.,
Walter S. Press, Ministers
Irene Applin Boice, Director of Music

9:30 A.M.—Church School.
10:45 A.M.—Morning Worship. Sermon by Rev. Press. "A Test of Christian Living."
5:30-7:00 P.M. — Student Guild. Supper. Rev. Press will lead a discussion of the fourth chapter of the book "Alternative to Futility," by Elton Trueblood.

GRACE BIBLE CHURCH

Corner State and Huron
Harold J. DeVries, Pastor

9:15 A.M.—"Your Radio Choir" WPAG.
10:00 and 12:00 A.M.—Bible School Sessions.
11:00 A.M. — Worship Service. "God Likes Poor People."
6:15 P.M.—Grace Bible Guild Supper.
7:30 P.M.—Worship Service. "The Missionary Who Was Promised Failure."

FIRST METHODIST CHURCH

Ministers: James Brett Kenna and Erland J. Waltz
Music: Lester McCoy, director
Mary McCall Stubbins, organist
Student Activities: Doris Reed, associate director.

10:45 A.M.—Worship Service. Dr. Kenna's sermon topic: "Let's Try Religion."
5:30 P.M.—Wesleyan Guild will hear Dr. James Brett Kenna speak on "Looking Forward." Supper and fellowship.

FIRST UNITARIAN CHURCH

1917 Washtenaw Avenue
Edward H. Redman, Minister

10:00 A.M.—Adult Group. Mr. Ray Eastman, Ann Arbor Planning Commission, on "City Planning."
11:00 A.M.—Sermon by Rev. Edward H. Redman, "Which World Religion?"—an appraisal of the Amsterdam Conference Report.
6:30 P.M.—Unitarian Students. Discussion of the Far Eastern Crisis. Snack Supper. Social.

FIRST PRESBYTERIAN CHURCH

1432 Washtenaw Avenue
W. P. Lemon, W. H. Henderson, Ministers
Maynard Klein, Director of Music

9:30 A.M.—Westminster Guild Bible Seminar. Coffee and rolls at 9:00 A.M.
10:45 A.M.—Morning Worship. Sermon by Dr. Lemon—"The Open Road—1949."
4:00 P.M.—Reception for all new members given by officers of the Church, in the Lewis-Vance Parlors.
5:30 P.M.—Westminster Guild supper followed at 6:30 by meeting. "Christian Students Look Ahead" topic discussed by Don Flowers, Bob Rasmussen, Joanne Smith, Leonard Whittlinger, Al Wildman, Jean Ervin, Bill Roberts, Linnea Jylha and Owen Peterson.

UNIVERSITY LUTHERAN CHAPEL AND STUDENT CENTER

1511 Washtenaw Ave.
Alfred Scheips, Pastor
(The Lutheran Church—Missouri Synod)

9:45 and 11:00 A.M.—Identical services, with the pastor preaching on the Epiphany theme, "Follow the Wise Men."
5:30 P.M.—Supper and Program of Gamma Delta, Lutheran Student Club. Discussion, "Religion in the Public Schools."

W VIEW FOR SCIENTISTS:

Radar Antenna Adorns Engineering Buildi

Daily 1-8-49

Signal Corps radar antenna recently mounted on the roof e East Engineering Building, e it commands a majestic of Ann Arbor.

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plained the process of beer-mak- ing to them.

In the actual brewing process

em- the En- pany trip. hich par- d in rew- tap- eer, ade heir ex-

knocks you out because it is made at high temperatures," Reger said.

* * *

FROM THE top floor of the processing equipment, which is made entirely of brass except for the cypress casks where the beer is aged, the raw materials start their long journey downward, he declared.

This journey is a continuous "batch" process in which all ingredients are poured into a mash which is treated till it comes out the other end of the equipment as finished beer.

After evaporation to thicken the mash, the solid materials are

e work- al func- n terms

SIUM

ron Tube

6 to July 2

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Y, Director