Page S HE BATTALION

Green cookies due to terpenoid presence **Compounds may help cotton resist disease**

By KURT ABRAHAM Reporte

Joe Six-pack wanted to show friends that his cooking ability extended beyond thawing frozen TV dinners, so he baked a batch of chocolate-chip cookies - only to

cookies, Joe is not necessarily a failure as a cook. According to Dr. John Halloin, it's possible that even the best of bakers will run into an occasional batch of green cookies. He said it all has to do with two chemical compounds that find their way into flour, and into cotton seed.

Halloin conducts research for the U.S. Department of Agriculture's Cotton Pathology Laboratory, lo- including fungi. cated on the west campus of Texas A&M University. One of his latest compounds, we were looking for a studies involved the compounds link between their presence in cot-

tannins.

'When present in cotton seed, the two compounds may be helpful in stopping the growth of fungi," said Halloin. "But when they find have them turn a strange green color in the process. Despite his experience with the their way into baking ingredients, such as flour, the end-product will have greenish tint to it, as in the green cookies.

Terpenoid aldehydes, better known to plant physiologists as gossypol, and tannin are considered antimicrobial compounds, Halloin said. This means they are capable of either killing microbes or keeping them from growing. Microbes are minute organisms most often associated with various bacteria forms,

known as terpenoid aldehydes and tannins. ton seed and the resistance of the seed to disease such as fungi," Halloin said. "But the results are not totally conclusive, because gossypol is not always present.

Gossypol is only found in the glandless type of cotton seed if there pound. However, gossypol is almost has been genetic contamination, said Halloin. Genetic contamination involves the altering of the basic

pound. However, gossypol is almost always found in glandular cotton, added Halloin.

Stanford to spend \$40 million on atomic structure research lab

More than \$40 million will be invested during the next two years to construct research facilities to serve a field so new only a handful of sci-entists now realize its potential, says a California chemist.

David Shirley, speaking at Texas A&M University Monday night as the Annual Welch Foundation Lecturer, briefed his audience on syn-

electronic storage rings. Construction bids up to \$40 mil-ion have been let to beef up existing storage ring facilities at Stanford University and to construct new ones in Wisconsin and at the troubled Brookhaven, N.Y. site.

apart and study electron correla-

tions by using electron spectros-

is the holding of charged electrons

in large circular structures called

A feature of synchrotron radiation

copy

chrotron radiation, a physical chemistry process that allows scien-tists to take the atomic structure California at Berkely, now is as-sociate director and head of the ma-terials and molecular research division of the Lawrence Berkely Laboratory there.

Shirley said it had several distinct advantages over more conventional electron diffraction methods, including the fact it is nondestructive

and is atom specific. The Robert A. Welch Foundation of Houston, which is helping fund Shirley's project and which sponsored Monday's lecture, is among the 25 largest research foundations in the world, funding over \$90 mil-

MSC ARTS COMMITTEE: "Paul Christensen: The Man, Poet," a poetry reading, will be at 8 p.m. in the Basement feehouse. Admission is free. There will be a reception offcam following the reading.

BASEMENT COFFEEHOUSE: "Morning" will appear in cond 9 p.m. Tickets are \$2 at the door. There are 200 tickets availa

what's up

Wednesday

- CASINO GIRLS: All females selected to be casino girls for Casin should pick up their material from 6-8 p.m. in the RHA of Room 216, MSC. The materials cost \$2.
- WOMEN IN COMMUNICATIONS: Jackie Salley will spea "Opportunities in Advertising" at 6 p.m. in Room 002, 1 McDonald Building. Applications for membership will be a
- T STAR INTERNATIONAL STUDENTS ASSOCIATION: Frazier will speak on an international space launch facility p.m. in Room 206, MSC.
- TAMU SPORT PARACHUTE CLUB: Will meet at 8 p.m. in R 510. Rudder Tower
- TEXAS STUDENT EDUCATION ASSOCIATION: Will meet p.m. in Room 701, Rudder Tower.
- CLASS OF '82: Will meet at 7:45 p.m. in Room 137, MSC. MSC HOSPITALITY COMMITTEE FASHION SHOW: W
- held at 8 p.m. in Rudder Theater. Fashions are from Sako HILLEL CLUB: Rabbi Borovitz from Austin will speak at 7:30 in the Foundation Building, 800 Jersey St.
- PHI THETA KAPPA: Will meet at 7 p.m. in Room 502, Ru Tower
- TAMU STUDENT CHAPTER OF THE WILDLIFE SOCIET Brothers, wildlife manager of the H.B. Zachry ranches in Texas, will speak at 7:30 p.m. in Room 501, Rudder Tower.
- SAN ANTONIO HOMETOWN CLUB: Will meet at 7:30 p. Room 109, Military Science Building. SMITH COUNTY HOMETOWN CLUB: Will meet at 7:30 p.
- the Willowick I Apartments party room. For more informati 845-6452
- TAMU ROADRUNNERS: Will meet in front of the G. Rollie Coliseum at 6 p.m. for one, three, or five-mile runs.
- TAMU POLO ASSOCIATION: Will meet at 8 p.m. on the se floor of the old Agriculture Building.
- AGGIE CINEMA: "Going My Way," a nostalgic and heart war story of young Father O'Malley (Bing Crosby), who is sent bishop to help out an older pastor at mortgage-ridden Dominic's parish, will be shown at 8 p.m. in Room 201, MSC.

Thursday

- RESIDENT HALLS ASSOCIATION: A meeting will be he HECC 204 at 7 p.m.
- AGGIE PARENTS OF THE YEAR: Nominations for Aggie h of the Year are still being accepted. Nomination forms are a ble in Room 216, MSC, and are due by 5 p.m. March 19. The requirement is that the person nominating his parents is cur enrolled at Texas A&M.
- CLASS OF '80: Will have a council meeting at 7:30 p.m. in 701, Rudder Tower.
- TEXAS SOCIETY OF PROFESSIONAL ENGINEERS: Fred nson will speak on "Continual Competence in Engineerin 7:30 p.m. in Room 103, Zachary.
- TAMU CIVIL LIBERTIES UNION: Will have a revitalization ing at 7:30 p.m. in Room 305AB, Rudder Tower.
- **OUTDOOR RECREATION COMMITTEE:** There will be a Canyon seminar at 7:30 p.m. in Room 401, Rudder Towe CIRCLE K: Will meet at 6:30 p.m. in Room 502, Rudder To
- FRESHMAN AG SOCIETY: The dance and the end-of-yea beque will be discussed at 7 p.m. in Room 102, Zachry.
- TAMU EMERGENCY CARE TEAM: Will meet at 7:30 p. Room 510, Rudder Tower.
- CAMPUS CRUSADE FOR CHRIST: Paul Carter will speakon Discipline Life As It Relates to Godliness" at 7 p.m. in Room Rudder Tower.
- TAMU FENCING CLUB: Will meet at 8 p.m. in Room 261, Rollie White Coliseum.
- TENNIS TEAM: The women's team will play Texas here at 1:30p BASKETBALL: The women's team will play in the SWAIAW gional Championships today through Saturday.
- CEPHEID VARIABLE: "House on Haunted Hill." fashioned ghost story, will be shown at 8 and 10:30 p.m. i Basement Coffeehouse. Admission is 50 cents. (PG)



