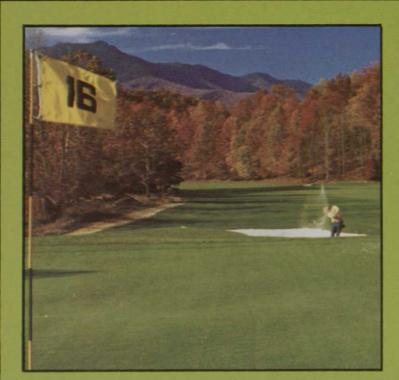
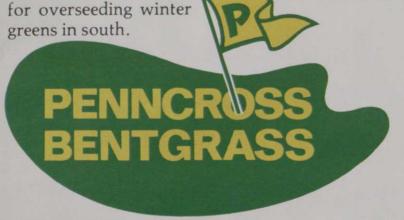
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Interns/p. 7

Golf cars/p. 21

Tees/p. 28

Golf Business/september

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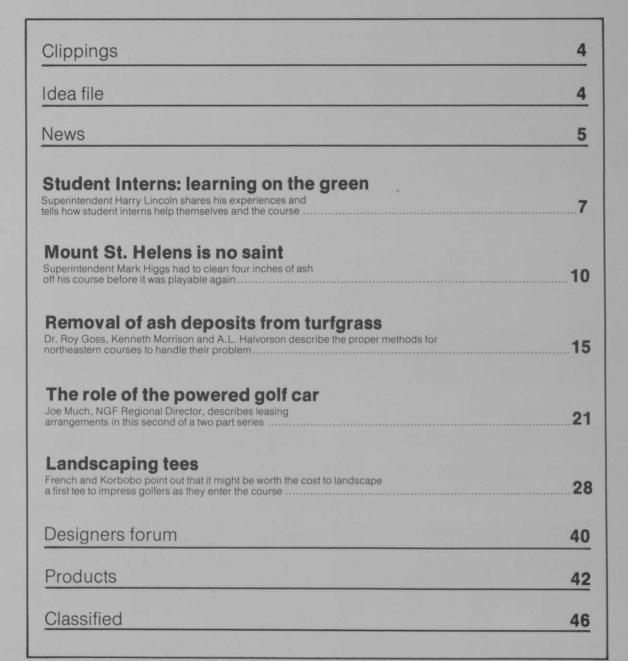








FRONT COVER:
Mount St. Helens has erupted numerous times now, and might keep on erupting. Each time, it leaves a deposit, shown in the inset, for superintendents to clean up.

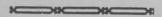




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Stover Seed Co. Los Angeles

Booth No. 31

The Florida Golf Course Owners and Operators Association has officially changed its name to Florida Golf Management Association. All Florida golf courses are eligible to be voting members. The next meeting is scheduled for November 3 and will be at the Mayfair CC in Sanford.

5G 5G 5G

Clippings

Brief bits of news from in and around the golf business. . If only there were more of them. . .the Canadian Minister of Agriculture, Eugene F. Whelan, was quoted as saying, "Health and Welfare Canada is taking a fresh look at the use of 2,4-D. . . We want to be able to honestly reassure people that if they follow the directions on the label they have nothing to fear. . . But that's not to say that we are going to endlessly respond to the emotional outbursts, the blind fear, of some people. Regulatory action must be based only on sound scientific evidence, not paranoia. It would be irresponsible of the government to do it any other way." How right he

5G 5G 5

Florida Municipal Golf Course
Association officers for the '80-81
season are: Bill Haycock, Manager
of the Orlando Recreation Dept.'s
Dubsdread Golf Course is
president; Ray Howland, Assistant
Village Manager of North Palm
Beach is vice-president; and Steve
Baeumel, Director of Golf
Operation for Pompano Beach was
elected secretary/ treasurer.

50 50 50

Robert Hayden, vice president of Texaco Bocal Del Mar, and Fred Frankel, Boca Raton developer who is Boca Del Mar's principal land owner, have jointly announced Frankel's plans to purchase the community's south golf course. Frankel also plans to purchase an adjacent parcel of land on which a new clubhouse will be constructed. Plans include upgrading the existing course. It was designed by Joe Lee and developed on 148 acres in 1975.

56 56 56

Rich Bator, CGCS, golf course superintendent of the Oak Hill Country Club in Rochester, N.Y., received a 1980 Citation of Performance Award from the Golf Course Superintendents Association of America. The award was presented by President Mel Lucas at the close o of the 1980 PGA Championship at Oak Hill, held during the first of August. Bator was cited for his preparation of the course for the tournament and expertise and performance in his profession.

50 50 50

Mark Boorman has been appointed Assistant Director of the National Golf Foundation's Information Services, according to Don Rossi, Executive Director of NGF. Boorman will assist Harry Eckhoff in production of the monthly "Golf Market Report" and with development and updating of NGF's golf course planning and operational manuals and the Foundation's library of some 150 information sheets pertaining to all facets of the business of golf.

5G 5G 5G

An updated edition of "All about OSHA" is available free from the Occupational Safety and Health Administration.

Write OSHA Publications
Office, Room S1212, Frances
Perkins Dept. of Labor Bldg., Third
St. and Constitution Ave., N.W.,
Washington, D.C. 20210. Their
telephone is 202/523-6138.

56 56 56

The sixth annual National Golf Foundation Daily Fee Workshop is scheduled for November 16-19 at the Dunes Hotel and Country Club in Las Vegas. The workshop will emphasize group discussion, with experts also speaking on subjects covering every aspect of golf course operation. For more information, contact NGF, 200 Castlewood Dr., North Palm Beach, FL 33408. Their telephone is 305/844-2500.

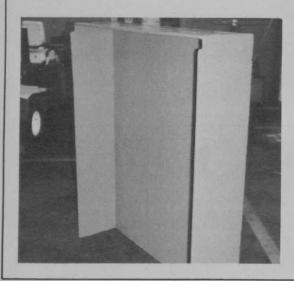
96 96 96

The 21st Illinois Turfgrass
Conference and Regional Show will
be held December 16-18,
at the Prairie Capital
Convention Center in Springfield.
Contact the Illinois Turfgrass
Foundation, P.O. Box 501, Urbana,
IL 61801.

ldea file

Protective liners for turf vehicles

David C. Harmon, Superintendent Golden Horseshoe GC Williamsburg, Virginia





With the cost of golf course maintenance vehicles over \$4,000, here is an idea one might try to help protect the rear box on the vehicle. At the Golden Horseshoe golf course, the mechanic built thin wooden liners that could be placed inside the rear box.

The liners were built of 3/8-inch exterior plywood and then painted with three coats of enamel paint. Steel braces were used in the corners of the box to add extra strength.

After the vehicles are washed each evening, the boxes are raised to allow drying of the steel bed during the night. Such liners have added five years to the life of our vehicles' rear boxes.

I CITE

'No-gas' inventor dies fraud charges stand

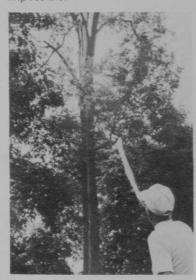
Rory Johnson, Elgin, president of Magnatron Inc., and an Elgin, Illinois inventor who had reportedly constructed an engine which required no gas and ran 100,000 miles fueled by deuterium and gallium creating a fusion reaction. died April 8 of this year in California. The Illinois Attorney Generals Office had upheld a Subpeona Enforcement lawsuit and two counts of fraud against Johnson and Magnatron.

According to William Oberhardt, Assistant Attorney General in the Chicago Branch of the Consumer Protection Division, Johnson first began leaking news, anonymously, of his engine in 1977. In 1978, he began promoting it publically, Magnatron was incorporated and Johnson had convinced several investors to invest \$25,000 apiece. When the Attorney Generals Office learned of the investments, they request documents from Johnson backing up his claims. Johnson refused and the first lawsuit was brought in June of 1978. It was a temporary restraining order and as Johnson continued to refuse to substantiate his claims, the Attorney Generals Office issued a permanent injunction prohibiting him from promoting the engine and selling any investments to the general public. Johnson could still seek investors from the commercial segment. The injunction was appealed all the way to the Illinois Supreme Court and was upheld.

One count of fraud charged Johnson with misrepresentation of his own personal achievements and technical capabilities. He claimed to be a graduate of M.I.T. and Darmstadt, both of which denied his claims when contacted by the Illinois Attorney Generals Office. Johnson also claimed to have worked in research and development at Westinghouse, NASA, Motorola and others, and in fact, did, but as a lath operator or related functions.

The other count of fraud was misrepresentation of the engine. Johnson absolutely refused to produce the documents which would substantiate his claims and canceled several demonstrations with the Department of Energy and others to actually demonstrate the engine. The engine was never seen actually operating a vehicle and it is questionable whether the demonstration reported in the October, 1979 issue of this

magazine, involved the engine running under its own power. The Illinois Attorney Generals Office has an affadavit on file from Dr. Charles Baker, head of the fusion power program at the Argonne National Laboratory in Argonne, Illinois, stating that a fusion reaction such as that claimed by Johnson was impossible.



Disproving the old adage that lightning never strikes twice in the same place', the tree in the photo above was struck three times within 86 hours. The tree is on the Lyons Den Golf Course in Canal Fulton,

Eckhoff award deadline is Oct. 31

Sponsored by the National Golf Foundation, the Harry C. Eckhoff Award honors excellence in publications and newsletters produced by golf-oriented publications. Deadline for submission is October 31, 1980.

Three categories have been established. They are club and course newsletters, state and district golf associations, PGA Sections and GCSAA regions, and all other regional golf publications. There is a maximum of one publication per entry which will be judged on on appearance, content and other criteria established by a panel chosen by the NGF. National magazines are excluded this year.

The winners will be announced in late 1980, according to Don Rossi, NGF Executive Director, and each category winner will receive an appropriate plaque along with national publicity. Colonel Eckhoff joined the National Golf Foundation following his retirement from the U.S. Air Force in 1957. The Award was created in 1979 to honor his continuous valued and outstanding service.

Entries should be mailed to the National Golf Foundation, 200 Castlewood Dr., North Palm Beach, FL 33408



Bob DePencier, Director of Horticulture and Turf for Pinehurst Inc., speaks with Jim Brooks, National Sales Manager for GOLF BUSINESS, Vic Cedrone, Assistant Director, and two other Guests at the Carolinas Invitational

Carolinas Invitational continues to grow

Over 430 people attended the fourth annual Superintendents Invitational for the Carolinas, held at Pinehurst CC, July 22. Host Bob DePencier, Director of Horticulture and Turf for Pinehurst Inc., said that the even has continued to grow in size each of the four years. This year, 71 teams entered the 'best ball of the foursome' tournament, played on Pinehurst's number two and number four courses. The winning teams, which included the

superintendent, professional and two club officials, were: first place, Camden CC, Camden, S.C., with a score of 56, Randy Allen is superintendent; second place, Rockhill CC, Rockhill, N.C., David Quick is superintendent; and third place, Tri-Lakes CC, Raleigh, N.C., Charles Coleman is superintendent.

After the tournament, participants and guests visited 25 supplier exhibits before the evening buffet banquet. Jim Latham, Manager of Product Sales. Milwaukee Metropolitan Sewerage District, was the keynote speaker.

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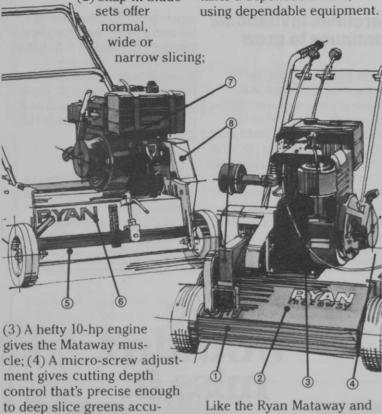
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rately; (5) The Ren-O-Thin cuts a wide 18" swath; (6) A

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Ed McNeill, Executive Secretary Southern California Turfgrass Council 1000 Concha street Altadena, CA 91001 Phone: 213/798-1715

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Student interns: learning on the green



Top, Gary Hillier from Catawba Valley Technical Institute in Hickory, N.C., mows. Bottom right, Lincoln (foreground) stands with William Kirby (at the wheel) and from the left, Carl Walsh, John Baniak, Michael Mooneyham and Hillier. Bottom, Lincoln and assistant superintendent Charles Hutchens watch Mooneyham cut a cup.



Student internship programs are an effective way of upgrading golf course maintenance programs, according to Harry Lincoln, golf course superintendent for the Boca Raton Hotel and Club course and the prestigious Broken Sound golf course in Boca Raton, Florida.

Maintenance of the two 18-hole courses is a year 'round program for Lincoln's staff of 50 who must keep the 235 acres in optimum playing condition seven days a week.

Lincoln, a graduate of the University of Massachusetts' Stockbridge School of Agriculture and the University of Georgia with studies in ornamental horticulture, business and engineering, believes that the presence of student interns can benefit both student and employer.

"I participated in two student internship programs when I was in school which were invaluable to me and to my employer," notes Lincoln. "The program gave me an opportunity to use all golf course equipment and to apply all the different procedures I had learned in the classroom."

"The programs were so profitable to me and to my employers that I was determined to establish a similar program on my courses."

Lincoln's three-month student internship program, held last summer, was attended by seven students representing schools in North Carolina, Florida, Massachusetts, Michigan, Pennsylvania and even one from as far as South Africa.

Unlike many new golf maintenance employees, the students required lit-Continues on page 8



Interns from page 7

tle training and supervision. They were highly motivated to work long hours in the hot South Florida summer sun, applying their classroom knowledge to their assigned tasks.

"In addition, the presence of students on the golf course was a subtle way of providing continuing education for my staff," notes Lincoln. "The students fresh out of the classroom were familiar with many of the latest technical developments in the golf maintenance field and were quite eager to share this information with my staff."

Golf course maintenance has now become a science and an important factor to consider when seeking qualified maintenance personnel, says Lincoln.

Each type of turf grass has different fertilization and irrigation requirements, explains Lincoln. Soil conditioning, plant diseases and their control, fertigation and new techniques of planting are among the technical factors to consider in maintaining a golf course. "Student interns

offer golf superintendents an effective means of imparting these new developments to the permanent maintenance staff," he says.

Students who participate in Lincoln's internship program can look forward to working on two of South Florida's most prestigious and scenic golf courses.

The 18-hole Broken Sound course was designed by noted golf course architect Joe Lee. The par 72 course, set on 140 acres, is the focal point of the Arvida Park of Commerce, an 850-acre light industrial park. Lincoln's maintenance staff, assisted this summer by the student interns, is also responsible for the landscape maintenance of the park. Membership is restricted to 350, with 100 reserved for the Park's business residents.

In designing the course, Lee was especially concerned with retaining, where practical, the approximately 3,000 maple trees on the course, probably the largest stand of maples in South Florida.

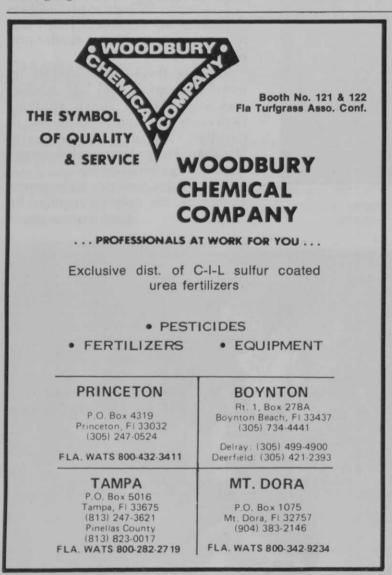
In addition, the course also features

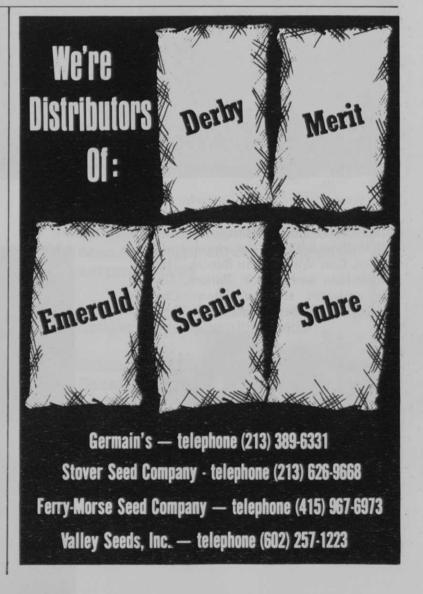
live oak, red bay, pine, ficus, pond apple, Ilex, palms and sabal palms set on rolling, winding fairways not usually found on Florida golf courses.

The Boca Raton Hotel and Club owned and operated by Arvida Corporation provides the setting for the 18-hole Red Lawrence designed course, an especially busy facility designed for Hotel guests and club members.

A consistent award-winner as a premier resort, the Boca Raton Hotel and Club has the distinction of being the only hotel in Florida to win, in a single year, both the Five-Diamond Award from the American Automobile Association and a Mobil Travel Guide Five Star rating. The latter has been awarded to the Hotel for 14 consecutive years.

"Maintaining this course is especially challenging," notes Lincoln, "since we are catering primarily to resort guests who have a limited amount of vacation time and must use the course whenever they want. The courses must therefore be in perfect playing condition every day," he says.







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Mount St. Helens is no 'saint'

By Mark Higgs, Superintendent, Moses Lake G&CC, Moses Lake, Washington

On May 18, just after 9:00pm, Mt. St. Helens erupted for the first time. Since then it has erupted numerous times and shows no immediate signs of ceasing. By mid-July, ash at least 8 inches deep covered over 62,000 acres. The first eruption had completely devastated an area of 6400 acres around the mountain. Assistant pro John Ostrader at Moses Lake Golf and

Country Club, located about 100 miles northeast of Mount St. Helens, estimated their clean-up at about \$100,-000 dollars. He estimated that they would lose another \$100,000 in

Continues on page 14



No rest for the weary...In the photo below, the dust on the roads recreates the dust on the course problem every time a vehicle stirs it up (photo at left).



Above, Mark Higgs. Below, the ash was harrowed...



It was dragged in. . .

