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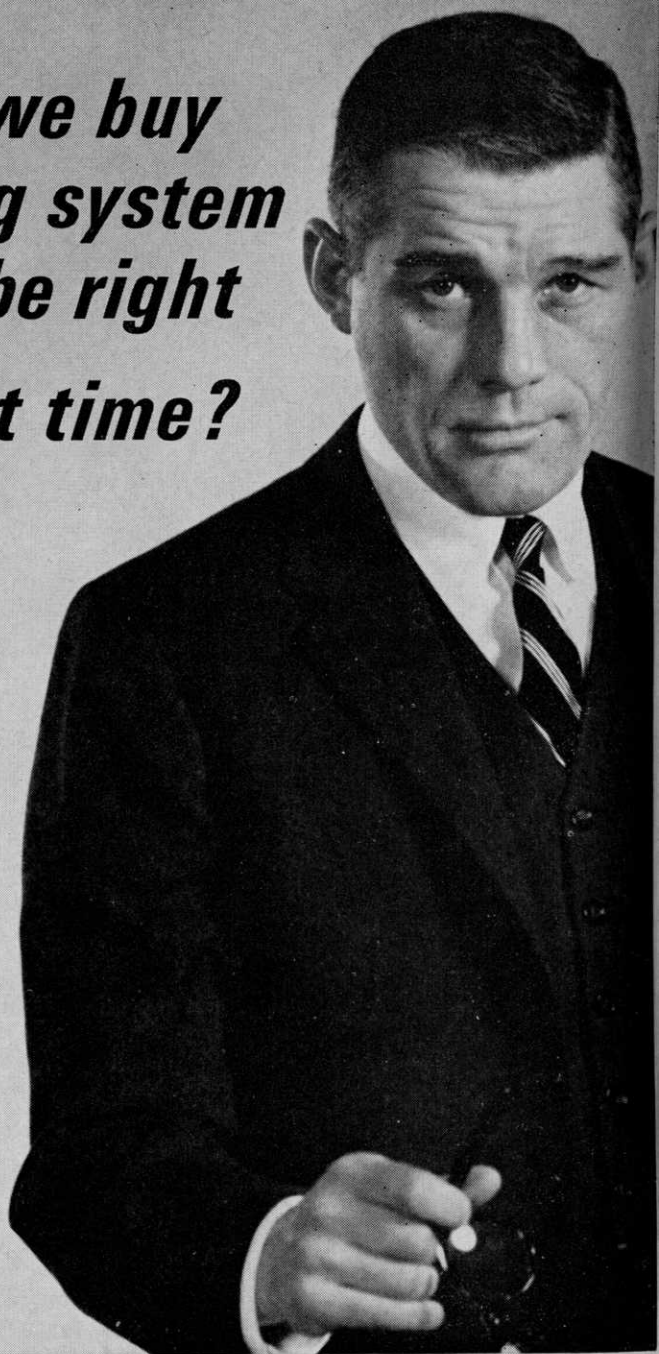
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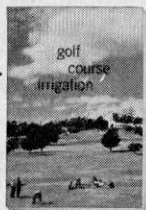
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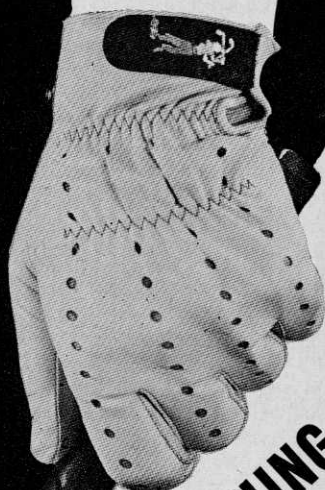
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GOLFDOM

INCORPORATING GOLF BUSINESS

VOL. 41. NO. 7

JULY, 1967

TABLE OF CONTENTS

ARTICLES

- 14 TEACHING GOLF WITH TV *By Dick Andres*
- 18 VIDEO RECORDER MANUFACTURERS
- 20 BLENDING THE OLD WITH THE NEW *By Desmond Tolhurst*
- 26 BRINGING BACK A BEAT-UP COURSE *By Joe Doan*
- 32 KNITWEAR KNOW-HOW *By Vincent Pastena*
- 34 THOSE PROFIT MAKING YARNS *By Vincent Pastena*
- 37 PGA EXHIBITORS RATE SHOW HIGH
- 42 DAILY CHECKUP KEEPS OLD CARS YOUNG *George W. Tinsley*

DEPARTMENTS

- 6 SWINGING AROUND GOLF *By Herb Graffis*
- 10 GRAU'S ANSWERS TO TURF QUESTIONS *By Fred V. Grau*
- 12 ACCENT ON MANAGEMENT *By Ken Emerson*
- 64 BOOK REVIEW
- 81 CLASSIFIED
- 66 PEOPLE IN THE NEWS
- 82 ADVERTISING INDEX
- 68 NEW PRODUCTS
- 83 BUYERS' SERVICE
- 84 OFFICIALS' PAGE

Cover: Courtesy Skyline Country Club

GOLFDOM, Incorporating GOLF BUSINESS, July Issue, 1967. Published monthly January through October by Universal Publishing and Distributing Corp. at New York, N.Y. Executive Offices: 235 East Forty-fifth Street, New York, N.Y. 10017 Volume 41, No. 7, Arnold E. Abramson, President; Robert J. Abramson, Executive Vice President; Franc Roggeri, Senior Vice President; Morton Waters, Vice President; David Rowan, Senior Vice President; John M. Ross, Vice President; A. H. Morse II, Vice President; Peter J. Abramson, Vice President; George Bauer, Vice President; John Fry, Vice President; Dorothy M. Sheehan, Secretary; Edwin J. Harragan, Assistant Secretary; Shirley Collins, Assistant Treasurer. Copyright © 1967. Universal Publishing and Distributing Corporation. Published simultaneously in Canada. Copyright under International, Universal and Pan-American Copyright Conventions. All rights reserved, including right of reproduction, in whole or in part, in any form. Printed in the U.S.A. For advertising rates, apply to Advertising Manager. Please send change of address notice to GOLFDOM Magazine, Service Department, P.O. Box 513, Des Moines, Iowa, 50302. The Company also publishes: Golf, The Family Handyman, Ski, Ski Business, Ski Area Management, Vocational Guidance Manuals, Universal Home Plan Books, Nova Books and Award Books. Members of Business Publication Audits, Magazine Publishers Association, and National Golf Foundation. Subscription rates: Domestic \$3.00, foreign, \$4.00 per year.



Swinging around golf

By **HERB GRAFFIS**

News of the Golf World in brief



Cold and wet weather in much of the Central and Northeastern states gave pro shop sales a poor start for 1967 . . . But there have been other years when spring has been short and shivery but big summer selling followed . . . Winter damage to courses in the snow area, despite severe winter, was perhaps less than normally reported by superintendents at their sectional meetings in April and May . . . Improved drainage and preventive treatment last fall paid well as insurance . . . The cool spring didn't favor turf growth for repairs or new construction done when ground was dry enough.

Pro shop robberies seem to have been fewer than for several springs past . . . One pro's explanation is that according to prices on advertised store goods it's cheaper to buy some golf equipment than to steal it . . . The big golf robbery this spring was at the Acushnet warehouse in suburban Chicago, Friday night before Memorial Day . . . About 14,600 dozen Acushnet balls stolen . . . Being pro-only balls, they ought to be difficult to sell through illegal channels . . . If they pop up at "fence" prices there probably will be pros relaying the news to the FBI . . . Several years ago the Acushnet Chicago district warehouse was robbed of about 17,000 dozen balls . . . Most of them were located by police in New Jersey.

Golf helps put on color television's sports show . . . Greenzit, a turf dye developed by W. A. Cleary Corp. to make dormant Bermuda green has proved to be valuable in making golf courses and football fields look in great condition on col-

or TV . . . Warren Cleary says the Greenzit golf course dye had another big use last year, coloring more than 5 million Christmas trees.

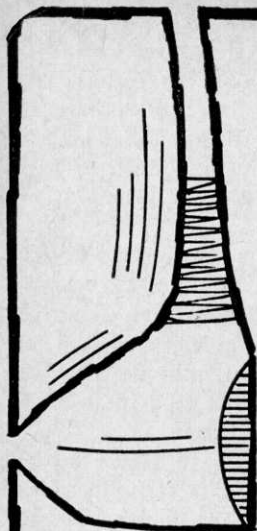
It was a happy thought to rename the Canada Cup, trophy of world pro golf supremacy, the World Cup . . . The Canada Cup was so named because it was contributed by Canadian interests associated with the late John Jay Hopkins, founder of General Dynamics Corp. who had the idea that golf might be a means of getting together major businessmen and government officials and diplomats of many countries for relaxation, enjoyment and understanding . . . Fred Corcoran, working with Hopkins, formed and conducted the International Golf Association for annual championships in various countries beginning in Canada in 1934 when Cerda and de Vincenzo won the two-man pro team prize, the Canada Cup, for Argentina . . . The individual prize is the International Trophy . . . Palmer and Nicklaus are present holders of the World Cup . . . George Knudson of Canada is the international trophy holder . . . The event returns to Club de Golf, Mexico City, Nov. 9-12 . . . The 1958 Canada Cup event was played there . . . James A. Linen, president of Time Magazine, now heads the International Golf Association . . . He has a board of internationally noted businessmen . . . He's brought the IGA along for international business friendships farther than Hopkins dreamed . . . The PGA of USA made its debut as a world-wide pro power with the International Golf Assoc.

continued on page 8

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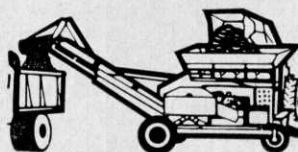
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Graffis Swing

continued from page 6

E. R. Steiniger, superintendent, Pine Valley GC, Clementon, N.J. is chairman, Joseph Valentine Memorial Fund which will build the Joseph Valentine Turfgrass Research Center at Pennsylvania State College.

The late Joe Valentine headed a group of greenkeepers that in 1923 went to Penn State's President Hetzel asking for help on turf problems, especially the current trouble with the Jap beetle. That was a historic event in the modern scientific turf development program.

Valentine, who died in 1962 after being at Merion 55 years and superintendent during 11 USGA championships, was honored by receiving the USGA Green Section award and, last year, by having Penn State's turfgrass research center named after him.

Others on the Valentine Memorial Fund Committee are Walter S. Boysen, GCSA; John Arthur Brown, Pine Valley GC; Joseph C. Dey, Jr., USGA; Herb Graffis, GOLFDOM; Dean Hill, Jr., Merion GC; Robert Trent Jones; Robert Tyre Jones, Augusta National GC; H. Burton Musser, Pennsylvania State College; Ernst Ransome, Golf Association of Philadelphia; Richard S. Turfs, Pinehurst.

Eliot C. Roberts, Professor Agronomy and Horticulture, Iowa State U, Ames, nationally noted for his work in golf turf development and his help to superintendents, becomes Chairman, Department of Ornamental Horticulture, University of Florida, 404 Newell Hall, Gainesville, Fla. 32603 . . . Eliot started in turf research at Rutgers then went to University of Massachusetts with Professor Dickinson . . . Starting July 1, Roberts will coordinate research and teaching assignments of Florida's College of Agriculture, experiment stations and extension services . . . He often is a featured speaker at turf conferences.

Members of Woodland GC, Auburn-dale, Mass., asked Joe Looney, veteran

continued on page 74

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GRAU'S Answers to Turf Questions

By FRED V. GRAU

Summer brings accelerated activity on all sports turf and, simultaneously, environmental conditions that are less than conducive to growth that compensates for traffic wear and tear. Dry heat rapidly draws water out of living tissues, plant and animal, which must be replaced if the organism is to survive. Mechanisms of protection vary widely and uniquely.

Man is limited to imbibing water to replace dehydration losses. When potable water is limited or non-existent (Mexico, Spring 1967) people die.

Some toads regularly experience heat and drought. They survive by burying themselves in the bottom of pools (aestivation). The pools become dry and parched. When rain falls months later, the toads emerge resuscitated.

Grasses have various devices to survive periods of dry heat. Zoysia has hairs on the upper side of the blades which deflect air currents. As drought and heat continue the leaves roll tightly (look like fescue leaves) to prevent water loss. Water dramatically refreshes the turf within a few minutes.

Bermudagrass has underground storage organs that sustain life (not growth) over long periods. U-3 bermudagrass in California survived for 75 days without irrigation in 100-degree heat. Roots were measured to 6 feet in depth.

Bluegrass enters dormancy under stress and survives on stored reserves of food in rhizomes. Irrigation can break the dormancy and, unfortunately, can deplete food reserves which weakens the turf and renders it more susceptible to winter injury and weed invasion.

Bentgrasses are wide open to devastation by heat and dessication. They seem to possess few devices for preservation. Man, therefore, must irrigate frequently to maintain a high content of water in the tissues of these grasses.

Fescues have thin blades which are able to roll thinner and tighter to reduce water loss. Tall fescues have astounding ability to survive long periods of dry searing heat and to recover quickly when moisture is supplied.

Heat with high humidity—This situation can and does occur during periods of dry heat. Water applied frequently and in great excess produces highly undesirable conditions of high humidity in the microclimate. At this point, diseases that flourish in heat and humidity begin to run rampant, creating the need to treat with chemicals that have the power to stop grass growth, too.

Water reduces temperature by evaporation when relative humidity permits. The benefits of *cooling* easily can be offset by the choking effect of excess water that fills soil pores and smothers roots.

Ideally, grass grows best under conditions of alternate wetting and drying which favors *granulation* and free exchange of gases, together with rapid infiltration and percolation.

Temperatures we must endure with little chance of alteration; moisture can be completely under our control. In the discipline of turfgrass we are far from an understanding of the true relationship between the growth and well-being of grass and the complex systems of soils, fertility, and water.

continued on page 72