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ALL NEW Staff-Pro Shaft

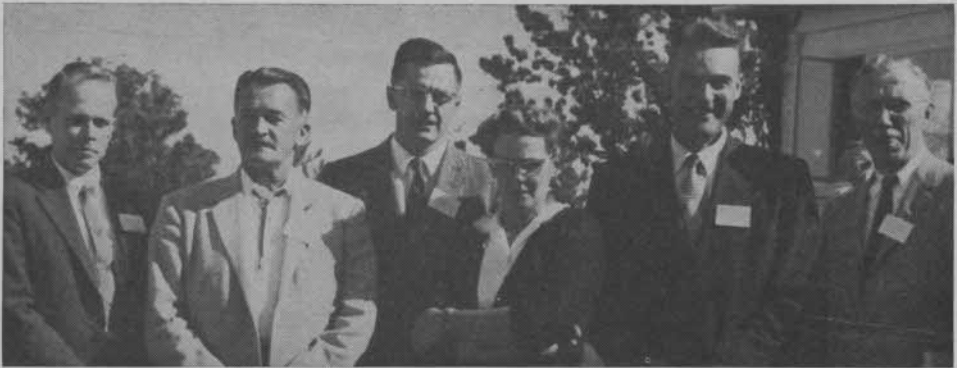
See and feel the difference in the exclusive, new Wilson Staff-Pro shaft. The first "quick" steps of the shaft eliminate torsión and improve shot control. Increased action just above the club head gives you increased accuracy.

Difference

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Here's the lineup of speakers that were heard at the meeting of Iowa, Illinois and Missouri supts., held in Keokuk, Ia., in October. From left: Eliot Roberts, Iowa State University; Fred V. Grau, Nitroform Agricultural Chemicals; Malcolm Shurtleff, Iowa State University; Mrs. Zelda Baxter, supt., Keokuk CC; Ed Cott, Iowa State University; and Leo Cleary, W. A. Cleary Corp.

Midwest GCSA Holds 7th Clinic at Olympia

Warren Bidwell, the new supt. at Olympia Fields (Ill.) CC, was host, Dec. 1-2 to the seventh annual Midwest GCSA clinic which was typically well attended and conducted in a manner that makes this one of the country's leading sectional conferences.

The theme of the meeting was "Practical Research at Work." The first day's sessions were moderated by Gene C. Nutter, national executive dir. who introduced such widely known agronomists and manufacturers as Mike Britton of the University of Illinois, Eliot C. Roberts of Iowa State, James Holmes of the USGA green section and Tom Mascaro, West Point Products Corp. Supts. who spoke or appeared on panels included Robert Williams, Norman Kramer, Ward Cornwall, Charles Shiley, John Ebel, Marvin Gruening, Dave Mastroleo and Ted Woehrle.

Britton spoke on fine turf diseases; Roberts gave an interesting illustrated talk on the relationship between leaf and root development of turfgrasses; Holmes told how confusion in the choice of grasses could be avoided and made suggestions for reducing havoc caused by snowmold; and Mascaro, using slides, discussed fairway renovation practices.

Tell of Those Trying Days

A supt. panel team composed of Williams, Kramer, Cornwall and Shiley gave a roundup of their experiences during the year, many of which were trying because of the miserable 1958-59 winter in the Midwest and the hot, humid weather that came in mid-August and didn't abate for

several weeks. Marv Gruening described the two-year new construction and renovation program that has been going at the Midwest CC in Hinsdale, Ill. Dudley Smith told of the green juggling act that is going on at the 36-hole Silver Lake club in Chicago where putting surfaces are being rebuilt or re-designed. Much of it has gone on during the heaviest part of the playing season. Dave Mastroleo talked on maintenance of the Par 3 course, while Ted Woehrle gave an illuminating lecture on what goes into the various kind of fertilizers that supts. use.

The second day's conference was moderated by Charley Wilson of Milwaukee Sewerage Commission, who was back with a new supply of appropriate quotes from a number of profound sources. Outside speakers included Milt Woodard of Western Golf Assn., who looked at the golf car situation from the viewpoint of an organization that champions the caddie. His conclusion: There's no reason why there can't be co-existence. Mike Phalen of International Harvester delivered an inspirational talk on knowing, doing and enjoying turf maintenance work.

Right People Didn't Hear It

The practical side of course management was entrusted to Roy Nelson and Joe Dinelli, both of whom are supts. Nelson went into the many problems that are inherent in installing, maintaining and operating a course irrigation system. Club members, who may have the impression that a cold weather supt. goes into hibernation with the first snowfall, would have been enlightened had they seen Dinelli's films and listened to his description of the amount of labor that goes into a winter

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Power-Bilts look right. They have that magnetic beauty that *attracts* and holds attention . . . Just their appearance builds enthusiasm and thaws sales resistance.

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Power-Bilts feel right. These Master-Matched beauties feel right because Hillerich & Bradsby's exclusive balancing technique "Master Matching" achieves the ultimate in proper weight distribution. Just compare them with other clubs and you'll feel the wonderful difference in Power-Bilts.

Play Right

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GOLF CLUBS

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the Pro Shop . . .**

program of re-conditioning equipment.

The session's round table discussion was handled by Roger Thomas of Jacobsen Manufacturing, Warren Roseman of Roseman Mower, Verne Fish of Toro, Dick Hanson of Nelson Irrigation Co., and Bill McEllhiney, J. P. Miller Well & Pump Co., who described some of the new equipment that is on its way and answered questions about or explained the operations of many machines that already are in the hands of the supts.

At the annual banquet held on the evening of Dec. 1, Ray H. Gerber, supt. at Glen Oaks CC, Glen Ellyn, Ill., served as master of ceremonies.

GCSA and Green Section Help University in Staging Sixth Arizona Turf Conference

By **LEE BURKHART**

More than 110 persons attended the 6th Arizona turf conference held at the University of Arizona in October. The University's agronomy dept. cooperated with the Arizona GCSA and USGA green section in staging the two-day affair. At the same time the Arizona Turf Assn. was formed.

Victor Youngner, UCLA turf specialist, headed an impressive list of speakers that included Marvin H. Ferguson of the green section, Jim Watson of Toro, John Gallagher of Amchem Products and Charles G. Wilson of the Milwaukee Sewerage Commission. Youngner told of the effects of light and temperature changes on Bermuda; Watson spoke on turf engineering; Gallagher discussed various methods of weed control; and Wilson gave an illustrated lecture on producing better turf.

The future of Arizona's turf program was thoroughly gone into by a panel composed of Gary Madison, Gene Reid, Art Snyder, William Schilmdacher, William Norton, Joseph Folkner and Lee Burkhardt.

During the conference the Arizona GCSA and turf grass suppliers presented a check to the University's Agricultural Experiment Station to help defray research costs.

CMAA Gives Turfmen A Hand

Arizona chapter of CMAA has taken on the job of soliciting and collecting contributions from clubs for support of turfgrass research. Bill Hodges, pres. of the Arizona chapter, said the goal for the year is \$2,500.

Golfdom Luncheon at GCSA Convention

Golfdom's third Father and Son and Son-in-Law luncheon will be held in the Grecian Room of the Shamrock Hilton at the GCSA conference. It is scheduled for 12:30 p.m. on Thursday, Feb. 4. Officials and directors of the GCSA also have been invited to attend. At previous luncheons held at the Shoreham in Washington and Sherman in Chicago, about 60 persons were the guests of Herb and Joe Graffis on each occasion.

Texas A. & M. Holds 14th Turf Conference

The 14th turf short course of Texas A. & M. College was held in the Memorial Student Bldg. in College Station, Dec. 7-9. Ethan C. Holt and John A. Long were in charge of arrangements.

Speakers at the first day's meeting were Charles Hohn, Texas A & M, Leon Howard, College Station, J. W. MacQueen of the school's ground and maintenance dept., David Lilly and Jim Watson of Toro and Monty Moncrief of the USGA green section. They covered water hydraulics, course design, planting arrangements, equipment and personnel management.

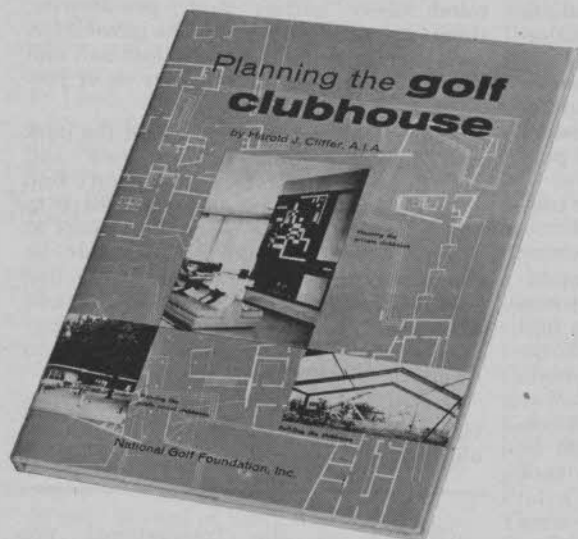
At the golf course section of the meeting on Dec. 8, the following appeared on panels or spoke: Bill Trogden, Texas A & M; Gene C. Nutter, executive dir., GCSA; Jim Holmes, USGA green section; Bob Anderson, supt. Corpus Christi CC; Marvin Ferguson, USGA research dir.; Grover Keeton of Dallas and L. W. Dubose, supt., Houston CC and Wilbur Stewart, supt., CC of Austin. Subjects covered included herbicides, fungicides, fertilizers, budget preparation, long range planning and labor problems.

A general assembly of course supts. and school, park and cemetery representatives was held on Dec. 9. Shade tree maintenance and flower arrangement were covered in part of this session. E. C. Holt gave a summary of turf research at A. & M. and Charles Wilson, Milwaukee Sewerage Commission, discussed technical advances in reducing maintenance problems.

Willie Ogg Dies

Willie Ogg, 71, a pro for more than 50 years, died in Tampa, Fla., on Dec. 25 after an illness of several weeks.

Got clubhouse planning problems? **This book eliminates costly guesswork**



**96 pages of
Practical
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Photographs
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for:

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Building Committees

**Golf Course Operators
and Municipal Planners**

Gives ALL the answers to:

- How big should our clubhouse be?
- How much should we spend?
- How many lockers? Toilets? Showers?
- How large a pro shop? Where?
- How much dining space? Kitchen facilities?
- How can we arrange facilities for best use?
- Is the design economical in operation? Maintenance?
- How about site design? Why soil tests?
- and many, many more, important questions!

Where did we get the answers?

Harold J. Cliffer, A.I.A., institutional planning and design specialist, personally interviewed managers, golf professionals, owners and officials of 54 private, 19 municipal, 16 semi-private, one military and two industrial golf courses in every section of the country to collect data for this book. This information was expertly evaluated to arrive at the minimum, median and maximum requirements of facilities and space for any size clubhouse, keyed to the number and type of golfers to be served . . .



Harold J. Cliffer, A.I.A.

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The NATIONAL GOLF FOUNDATION, Inc.

407 South Dearborn Street
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Swinging Around Golf

(Continued from page 22)

Since International Golf Assn. matches were played in Japan in 1957, more than 80 new courses have been built or are under construction there . . . Young Japanese especially university students, are enthusiastic patrons of golf ranges . . . Some of Japan's new courses are privately-owned and are leased to organizations for operation as private clubs . . . Japan's golf boom is providing courses at almost all of popular U. S. tourists resorts.

There is no tipping of the Japanese caddies who get about 28 cents a round . . . Suzie, the girl who caddied for Jimmy Demaret in the International pro competition at Kasumigaseki in 1957, recently was married . . . A delegation of officers and their wives from Johnson U. S. Air Force Base who have memberships at the club, attended the wedding . . . The girl who caddied for Sam Snead in the IGA matches is still waiting for the photograph he was going to send her . . . Reminds you of Madame Butterfly.

Jackie Burke and Ken Venturi were great ambassadors for the U. S. when they were in Japan . . . Japanese are treasuring "thank you" notes from Mrs. Venturi . . . George Mizota, Japanese golf leader and fisheries magnate, brought Burke and Venturi over . . . Mizota learned golf as a Stanford university student . . . Two Japanese youths, who are learning assistant pro work at Houston under Burke and Jackson Bradley, are expected to pioneer big development in Japanese pro golf when they return to the homeland . . . Now all Japanese clubs operate pro shops.

Names on several brands of Japanese golf balls are somewhat reminiscent of American ball brand names . . . For instance: Far East PGA, Royal Star, Maxima . . . The top price ball in Japan, the Japanese-made Dunlop 65, retails at 320 yen or about 90 cents.

Sydney, Australia, with a population of 2,000,000 in metropolitan area has 58 courses and 85,000 golfers . . . Australian Golf Foundation is vigorously campaigning on development of junior golf . . . It is mainly focussed on schools . . . One of the most attractive and practical pro shops we've seen in any country is new shop of W. Mackenzie at Australian GC in a Sydney suburb . . . Dunlop people worked with Mackenzie in designing the shop . . . Bob Taylor, capt. of the Australian club, helped Mackenzie get the new shop authorized.

Golfers Breathe Easier; New Rules Effective

It probably won't be necessary to remind many golfers that, penaltywise, things are easier this year. The new USGA rules covering out-of-bounds, lost ball and the unplayable lie are effective as of Jan. 1.

When a player puts one out of the park now, his next strokes counts "two" and not "three" as heretofore. If he can't find a ball he has just hit, he won't have to add a penalty stroke when he swings at the next one. If his ball is unplayable, he has two options: He may drop the ball behind the unplayable position and add one stroke (it was two before) or he may take a stroke and distance penalty from where he originally hit the ball.

The new rules are experimental. The USGA has the option of returning to the old regulations in 1961.

Officials of the International pro championships and Royal Melbourne GC tried their best to accelerate the ridiculously slow pace of pro play which now has become a world wide costly nuisance . . . A schedule allowing about 4½ hours for a round was worked out but even this wasn't enough as a couple of teams held back the rest of the field.

American pros are being blamed for initiating the bad habit of tedious play which is cutting playing equipment sales by millions of dollars due to reducing number of rounds played . . . Japan Golf Assn. official says that in two years since international pro championships were played at Tokyo, average time for going 18 holes has been increased by almost an hour.

Bing Crosby to be chief commentator of ABC-TV coverage of the final round (5:30-7 p.m. EST, Sunday Jan. 24) of the \$50,000 annual tournament that Bing sponsors . . . play will be at Cypress Point, Monterey Peninsula and Pebble Beach.

Golf Writers Assn.'s tournament, which is played with members and Pro Jimmy D'Angelo of Dunes Golf & Beach Club, Myrtle Beach, S. C. as hosts, is on the calendar for April 4 . . . This year the writers will see changes that Robert Trent Jones is making in the Dunes course which he designed . . . Bob Drum, Pittsburgh Press golf writer who is pres. of GWA is a daddy again.

Ryder Cup matches which, since World War II, hadn't drawn galleries any larger than those of the US Amateur Championship, really revived as a gate attraction at Eldorado even though score of US 8½, British 3½ was about as expected . . . Give Jimmy Hines and Johnny Dawson credit . . . Their unique and super deluxe Eldorado CC, with Bob McCulloch and Ross Clark as solid gold partners, accounted for bringing thousands from LA to Palm Springs . . . Clubhouse privilege fees and restaurant and bar revenues, together with admission fees, must have set a record for the Ryder Cup take.

Eldorado's clubhouse is something to make you gasp . . . Nothing else like it . . . The men's locker-room is the one by which all other modern clubhouse lockerrooms will be judged . . . The pro shop, as you might expect, is palatial and laid out and operated to snatch every loose buck . . . Until you have seen the golf car garage under the clubhouse you haven't seen the biggest and latest in this new part of the business.

Water, instead of sand, in traps at sides of greens in front of Eldorado clubhouse was an expedient adopted because the greens are fairly close together and some golfers, playing out of sand, might knock shots into players on adjacent greens . . . Traps are several feet deep and are stocked with fish.

Ernest (Mr. Pen) Penfold, pro at Colonial G & CC, Harahan, Ia., for 20 years, got a big testimonial dinner from his club last fall . . . Nearly 300 persons were there and Mr. Pen and his wife got many beautiful gifts. . . Penfold was born in England, served in World War I as a corporal and saw nearly four years' combat in France. . . His father, a Surrey greenkeeper, got him started in golf. . . Penfold worked as a pro in his native country, at Winnipeg GC and for 12 years at Minneapolis CC. . . He belongs to the English, Canadian and U. S. PGAs and may be the only living person to have that distinction. . . He designed Colonial in 1939. . . Mr. Pen and his wife are planning to go back to England in Feb.

Bill Dear, New Jersey amateur, who supposedly criticized the way amateur golf is conducted in U. S. and withdrew from the 1959 National Amateur in protest, says he was not correctly quoted in *Golfdom* (Oct., '59, pp 15-16). . . Dear says he withdrew from the Amateur because his first responsibility is to his business, a printing firm of which he is pres. . . . But he added that "there are many good amateurs in the U. S. who can't afford the time or money to play in the USGA event." . . . He'd like to see golf copy the U. S. Lawn Tennis Assn. and pay expenses for top amateurs competing in native and foreign events . . . Dear

CMAA Conference Seminars and Speakers Listed

Club Managers Assn. of America will hold its annual conference in Pittsburgh, Jan. 20-23. The education program will consist of eight seminars in which the following subjects will be covered: Social activities, menu planning, accounting, personnel, food control, building maintenance, communications within the club and brainstorming. Each seminar will be held four times on successive hours and attendance at each will be limited to 60 persons.

Margery B. Leonard, asst. mgr., Washington (Seattle) AC, will preside at the social activities discussion. Walter Tode, food consultant and assoc. professor at Cornell, will speak at the menu planning meeting. Arthur E. Iredell of Harris, Kerr, Forster & Co., New York, will outline accounting methods. Personnel programs and records will be explained by Prof. C. Oliver, Jr., University of Florida. The food control speaker will be Leo J. Coughlin of Slater Food Service Management, Philadelphia. New and improved maintenance methods will be described by John C. Saloniak, Penn Bldg. Maintenance Corp., Pittsburgh. Intraclub communications will be discussed by Dean S. Earl Thompson of Penn State University. The speaker at the brainstorming session will be Dr. Joseph Thompson of Michigan State University.

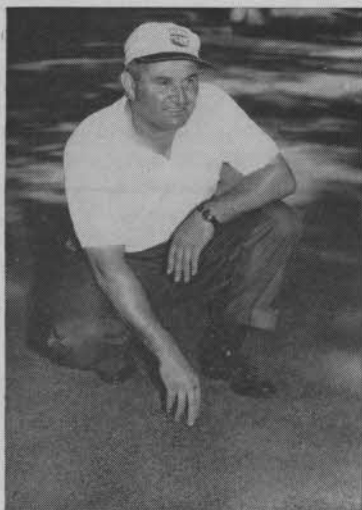
is associated with the New Jersey and Met GAs and devotes much time to their tourneys.

Belleview Biltmore, Belleair, Fla., recently bought Pelican GC and now has 54 holes for its guests to play. . . Royal Palm Y & CC in Boca Raton, Fla., nearly completed. . . Sam Snead is pro . . . California built 27 courses in 1959, 4 less than in '58 but 12 more than runnerup states, N. Y. and Ohio. . . Two many and four private courses are in various stages of construction in Salt Lake City area. . . Architect Bill Johnson has \$200,000 Par 3 in works near Pedley, Calif. . . Bill Bell is working on Riviera Marin at San Rafael. . . Al Smith is designing 18 at Lake Sammamish, near Seattle. . . Dave Kent has Penn Marr under construction for city of L. A. . . Bob Graves, one of the younger blueprint men, is planning 9 for McClellan AFB. . . Bill Tucker is designing Ontario's munny 18. . . and Clark Glasson is finishing irrigation project at Palo Alto Hills. . . Vern Johnson, former Palm Springs, Calif. high school coach and a fine amateur golfer, is the National Golf Foundation's new Southern field rep.

Be sure greens are ready to prevent snow mold with

Having your golf greens in shape for early-spring play depends largely on preventive measures taken this fall. Golf-course superintendents all over the country rely on Du Pont "Tersan" 75 turf fungicide for complete, economical control of snow mold. Just two or three

"I have been using 'Tersan' 75 for snow mold control for 11 years. It is safe to use and has given very good control"



"In using 'Tersan' 75 we normally make two applications—one in late fall and again in early spring. Some years, when there is no snow on the greens, we make a third application in January. We mix 12 lbs. of 'Tersan' 75 per 300 gallons of water—sufficient to spray 6 greens averaging 5,000 sq. ft. each. Incidentally, we also spray all our tees for snow mold control. I feel that the control of snow mold is very important because of the expense and time involved to resod greens . . . and because it is now necessary to have greens in playing condition earlier in the spring."

ADOLPH BERTUCCI
Superintendent
Lake Shore Country Club
Glencoe, Illinois

On all chemicals, always follow label directions.

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dy for early-spring play, h Du Pont **TERSAN**[®] 75

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applications of "Tersan" 75 keep greens disease-free. Dependable "Tersan" and new Du Pont "Tersan" OM give your turf year-'round protection against fungus diseases—including brown patch, dollar spot and others. Order a supply from your dealer now.

"I will continue to use 'Tersan' 75 because with it, I have been able to control snow mold successfully"

"I have been using 'Tersan' 75 for snow mold for approximately eight years. To control snow mold, we normally spray twice in the fall with 'Tersan' 75 during October and December. We use 1½ lbs. of 'Tersan' 75 to 15 to 20 gallons of water per green. Our greens average 4,000 to 5,000 sq. ft. Last fall we sprayed twice with 'Tersan' 75—during October and during the latter part of December. We did not have any snow mold on any of our 36 greens."

ALVIN HINTZ
Superintendent
White Pines Golf Club
Bensenville, Illinois



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PGA Winter Schedule

- Jan. 8-11 Los Angeles Open, Rancho
 14-17 Yorba Linda (Calif.) Open
 21-24 Bing Crosby Pro-Am, Pebble Beach,
 Monterey, Cypress Point, Del Monte
 28-31 San Diego Open, Mission Valley
- Feb. 3-7 Palm Springs Desert Classic, Thun-
 bird, Tamarisk, Indian Wells, Ber-
 muda Dunes.
 11-14 Phoenix Open
 11-14 Panama Open
 18-21 Tucson Open
 18-21 Maracaibo (Venezuela) Open
 25-28 Texas Open, San Antonio
 25-28 Puerto Rico Open, San Juan
- Mar. 3-6 Baton Rouge Open, Baton Rouge CC
 3-6 Jamaica Open, Kingston
 10-13 Pensacola Open, Pensacola CC
 17-20 St. Petersburg Open, Lakewood
 G&CC
 21-22 Seminole Pro-Am, Palm Beach, Fla.
 24-27 De Soto Open, Sarasota, Fla.
- Mar. 31 Apr. 3 Azalea Open, Cape Fear CC,
 Wilmington, N. C.
- Apr. 7-10 Masters, Augusta, Ga.

Betsy Rawls shattered two records in winning 10 Ladies PGA tournaments and \$26,775 in 1959... She did it with an average of 74.03... Chicago Swing Club of UVS completed its ninth year of helping patients at Downey VA Hospital in 1959... 15 blind vets took part in the program last year... James Shanks, Md. Extension Service, advises to switch from salt to fertilizer to melt sidewalk ice... Fertilizer is effective and doesn't burn the grass... 1959 crop of Ky Bluegrass seed was forecast as being lowest in 25 years, being only 14 per cent of the previous year's crop.

Officers for 1960 of New Mexico Turf Assn: Pres., Bill Mann, Carlsbad; Vp, John Bramble, Las Cruces; Secy, Clarence Watson, Las Cruces... George Fisher is pres. of Connecticut Club Managers' Assn... Other officers: James C. Diamond, Grant Ruse and R. F. Kirwan... Niagara Frontier GCSA, newly organizer, has elected James C. Strain pres... Vp is Charles Ludecker and secy-treas., Lynn W. Davis.

Palm Beach Women's amateur to be played Feb. 2-6 at Breakers GC... Barbara McIntire is defending champion... New 9 at Sea Island, Ga., will be officially opened Jan. 15-17 with playing of 54-hole Ladies PGA tournament... Sea Island's annual Senior Invitation (for amateurs) will be played Jan. 28-30... James Beattie of Scottsdale has been elected pres. of Arizona Seniors Ga... Mrs. Bob Dunning is the only woman member of the Oklahoma Turf-grass Assn.

Ted Benedict, for 27 years at Waialae CC and pres. of Hawaii PGA, made honorary life pres. of the organization... The only pro Waialae ever had, he retired last fall... Members gave him a big party... Pros should take

a tip from Richmond (Calif.) GC and give "best dressed golfer" prizes in conjunction with club tourneys... That should help make members apparel conscious and increase shop sales... Northern Calif. GA salutes Northern Amateur League and Harry Didio and John Maughan for efforts in promoting the game in '59... Northern Calif. PGA held pro-am at Steve Bareth's Sunken Gardens Par 3 last fall... It was first time this was attempted and everyone was pleased... Winning best ball scores ranged from 50 to 53 while 56s by Larry Montes and Al Maus won pro sweepstakes.

Recently completed or in the works are these course jobs by Dave Kent, Northridge, Calif., course consultant... Penmar at Venice, Hansen Dam, both for city of L.A. ... Redesigning of Knollwood... 36-hole semi-private and 36 private for Laguna Niguel Corp. ... 18-hole private for Bill Godbey in Lan Canada... Westchester team of Women's Metropolitan GA finally won Myra D. Paterson trophy in 1959 after 12 years of trying... Nearly 1,500 women in the WMGA's Tee Formation club... 1,200 people took part in Binghamton (N. Y.) Sun's hole-in-one tourney last year, the 9th sponsored by the newspaper.

Baltimore's munny play was up 40,000 rounds and Washington's 20,000 for '59 over previous year... Bethpage's five on Long Island expected to have an increase of about 25,000... Quidnessett Hotel & CC, N. Kingston, R. I., plans to have 27 of 36 holes in play by July... Geoffrey Cornish was the architect... Agriform of Northern Calif., Woodland, published its first "Western Turf News" in Oct.

Newark Star Ledger used Emery Thomas, pro at Forest Hills, Bloomfield, N. J., last fall in interesting experiment... It had him shoot a round amid all possible distractions—shouting, club rattling, practice swings whistling in his ear, walking across line of putt, etc., etc... Easily irritated tournament pros should take note that he shot a 71, starting off with 12 straight pars... On 13th, absolute calm was invoked and Emery committed a bogey... He was pretty well shaken up by the round, he conceded after it was over.

Twenty-eighth Championship of Club Champions to be played at Ponce de Leon, St. Augustine, Fla., Feb. 16-21... Dr. John McKey of Orlando won it last year... Ed Livingston, pro at Minnehaha CC, Sioux Falls, S. D., reports he had 85 or 90 women playing every Ladies' Day until school started last year... Bob Baldock, Fresno, Calif., architect, has five Air Base courses going... They are Otis, Falmouth, Mass.; Kincheloe, Sault Ste. Marie, Mich.; Tyndall, Panama City, Fla.; Richards-Gebaur, Kansas City; and K. I. Sawyer, Marquette, Mich... All are 9 holes... In Sept., Golfdom reported that Palmer Jett is mgr.-supt. of All View GC, Ellicott City, Md... This was incorrect... Jett is supt., but Johnny Musser and his wife manage the club... Musser also is pro there.

Owen Griffith, golf writer for Hartford (Conn.) Courant says city now has 30 courses

within 25 mile radius . . . Two are 27 holes, Hartford GC where Supt. Din Mackay recently completed new 9, and Stanley, a public course, which will have third 9 completed this spring . . . In planning or building stage are Cliffside, Pine Hill and Red Stone Hill . . . Ben Kowalski is construction supt. at Pine Hill and expects to become pro when it is completed . . . Lou Galby to become pro at Grahtmoor Golf Center in Newington . . . He was at Mill CC in New Stratford for 20 years.

When the La Quinta CC, near Palm Springs, was officially opened in Nov., golfers were provided with golf cars and fishing poles so they could drive to the course's three lakes and try their piscatorial skill before teeing off . . . The course, ranging from 6,200 to 7,200 yds., was designed by Lawrence M. Hughes . . . Dick Goeckner is pro . . . Jim Jennings, who helped get South Texas GCSA organized, is supt. at club in Sandy Bay, Jamaica, which was designed by Ralph Plummer . . . South Texas GCSA, now in its second year, has 33 members.

Standard Oil of Calif. to build first big industrial course on West Coast in 30 years . . . Bob Baldock has assisted on planning of the 18 which will be located in El Segundo . . . Seven Western states have only 3 of the 102 industrial courses in U. S. . . . Five towns in Rockies with population total of about 11,000 are planning as many courses . . . They are Soda Springs, Preston and Montpelier in Ida. and Temonton and Monticello in Utah . . . Fairmont GC, Riverside, Calif. has been deeded to city by Ben Swin in exchange for \$53,500 and 31 acres of DeAnza Park.

New Jersey PGA seeking to increase teaching rates and charges for club cleaning and storage and get \$3,500 minimum annual salary for its members . . . Nine former national amateur champs are expected to compete in Jack McAuliffe's National Mixed Foursome at CC of Florida, Delray Beach, Feb. 9-13 . . . Joseph B. Seibert, Dallas architect and builder, has begun construction on five courses for Deauville CC (managed by Country Clubs, Inc., Dallas) in the San Fernando valley in Calif. . . . Seibert's firm is known as Golf Courses, Inc.

Les Snyder, supt. of Oaks CC, Tulsa, was given an appreciation dinner by about 100 members recently at which he was presented a 1960 automobile and a "money tree." . . . Les has been a supt. for about 20 years, eight of them at Oaks . . . His twin brother is a supt. at Muskogee CC . . . Fifth annual Naples (Fla.) Seniors Invitation, Jan. 18-23, will be limited to 150 players . . . It's sponsored by Southern Seniors and Beach Club Hotel . . . San Diego (Calif.) County Seniors GA had limited membership to 200 but with 100 on waiting list, board took the ceiling off and admitted the entire group.

Tournaments on Western Golf Assn's books for 1960: 43rd Junior, U. of New Mexico, Albuquerque, June 14-18 . . . 57th Open, Western G&CC, Detroit, July 14-17 . . . 58th Amateur, Northland CC, Duluth, Aug. 8-14 . . . Fran Truitt, who opened 56th Street Golf Center last summer in Indianapolis, has driving



A pro has a difficult time convincing anyone that the compensations of his occupation aren't limitless when a photo such as this is published. It's Zell Eaton, who doubles as pro-manager of the new Palm Springs (Calif.) municipal course. The young lady is Miss Palm Springs, who also answers to the name of Gloria Neil. There are now 10 courses in the "winter golf capital" precincts, four within the city of Palm Springs.

nets in his Miniature building this winter and also gives lessons . . . Next spring he's going to start construction on a short course with holes ranging from 110 to 385 yds. . . . Goose Creek CC, Baytown, Tex., building temporary clubhouse that will cost around \$40,000 . . . Club now has about 225 members.

Oro Valley CC, Tucson, just about all set with finishing touches being put on the course, which was designed by Robert Bruce Harris, in Dec. . . . Club and integrated homesites cover 375 acres . . . Championship course runs to 7,000 yds. . . . Johnny Gibson of Chicago's Westmoreland is winter pro . . . Blue Hills CC, Canton, Mass., opened another 9 in 1959 and brought total to 27 . . . Wampatuck GC in Canton opened 9 holes last year to replace 9 that had been retired . . . Ridder Farm GC, East Bridgewater, Mass., to be ready July 1 . . . Henry Homan designed the 9-hole course . . . Construction of courses in Sharon and Norwood, Mass., are being planned.

Roy Rasmussen, Boystown, Neb., is pres. of Central Plains Turfgrass Fdn. for 1960 . . . Homer Jameson of Topeka is vp, and Ray A. Keen, Kansas State U., secy-treas. . . . Dryden Park muni 18 dedicated in Modesto, Calif. in October . . . It was sorely needed since 80,000 rounds were played on the city's other course, a 9-hole affair, in the preceding year . . . Alex MacIntyre,

(Continued on page 86)



Don White, Superintendent, Champions Golf Course, Houston, Texas says: "Jacobsen-Worthington equipment played a big part in helping us build our new Champions Golf Course up to tournament condition fast, with a minimum of expense."

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New! Model "F" Worthington Tractor—with 5-gang wing lift, as used on Champions Golf Course, Houston. 7-gang units available with capacity up to 15 feet, 6 inches. Finger-tip control of the "Wing-Lift" levers instantly raises or lowers each unit for changing size of swath or transport. No wheel marks. All cutting units precede tractor wheels.



Jacobsen Estate 26 Tee Mower. Cutting width 26 inches. For extreme maneuverability and close trimming of tee areas and around greens. Heavy duty 6-blade shear-cut reel assures precision mowing. Quick action reverse, rear-roller drive and out-front cutting unit provide easy maneuverability in, out and around confined areas. Same famous 3 hp Jacobsen Hi-Torque engine as used on the Jacobsen Greens Mower.

Worthington 9-Gang Fairway Unit with Model "G" Tractor. Cutting width 20 feet, 6 inches. Frame design permits mowers to follow ground contours without skipping or scalping. Convertible frame for 3-, 5-, 7-, or 9-gang combinations. Sharp turns with ease. Tension spring lever exerts up to 50-pound pressure for firm roller contact. Bed knife and reel adjustment handle. Separate gear drive in each wheel.



New! Jacobsen Turf King 76—Synchronized Mowing. Three articulated, power driven reels that operate ahead of all wheels, mow side-hill slopes and up or down grades. Exact adjustment to keep all three reels at the same cutting height; eliminates streaking. Wing units capable of cutting 25 degrees up or down.



Merion on this tee is on high N diet. It receives minimum water, is mowed at ½ in. with clippings removed.

GRAU'S TURF ROUNDUP—II

Accurate Testing

By FRED V. GRAU



J. A. DeFrance, recently retired from active direction of research, teaching and extension work at U. of R. I., has contributed much to research.



Merion breeder nursery at Beltsville. Research for better turf has paid big dividends but more soil-plant-nutrition-management research is needed.

An adjunct to experiment station research are various test plots laid out on courses, often on the putting green nursery. Some may be found in parks on lawn-type turf. A great deal of emphasis has been placed on comparative performances of various fertilizers and fertilizer materials. Some plots attempt to compare grasses and grass mixtures where management and fertilizing are uniform.

It would be regrettable if such tests were ever discontinued because they serve as a focal point for meetings and for group discussions. In some instances the public would have been better served had it not been subjected to some of the misrepresentations in the so-called tests. One, for instance, is the case of plots in which different grasses are compared side by side. Height of cut, disposal of clippings, level of nitrogen feeding and other factors are such that only one strain of grass is favored. Had the grasses been exposed to another level of each factor, the story would have been quite different. There should be designed a series of test plots so that each level of various management factors will have the opportunity to operate freely to the end that results may yield valid information.

Difference Not Observable

In some cases we have observed various fertilizers compared on a certain grass or

Part I of Grau's Roundup appeared in October Golfdom, p. 49.

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Everett Leonard, PGA Pro, Butte Des Mortes CC, Appleton, Wisc. bought this FIRST Direct-Drive VICTOR in '55 after it was used in golf course tests in '54 by the factory. He writes, "Good Ole 'ONE' gets constant use. Except for normal battery replacement, maintenance of old 'ONE' cost me only \$32.66. This 4-battery VICTOR still makes 27 or more holes over our hills. My newer VICTORS go from 36 to 45 holes a day with ease."

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Tall fescue test plots at Meadow Brook GC, Salt Lake. Roy Riska (1) and Joe Bailey operate proportioner. Field trials deserve careful planning, intelligent interpretation of findings.

mixture of grasses. No difference could be observed between the vastly different fertilizers because the grass mixture on which they had been applied was destroyed by leafspot and nothing but weeds resulted. It should be obvious that, to compare fertilizers, a grass should be selected that will be capable of responding to the stimulus of differential fertilization.

One of the tragic errors in comparing fertilizer mixtures is that the levels of N, P, and K often are not the same between plots. This, of course, completely nullifies the tests.

Another serious criticism of some current fertilizer tests is that some of the materials are used in complete disregard of the manufacturers' recommendations. Under these conditions the entire setup becomes suspect and should be completely ignored. There are recent cases of attempts to "rate" different fertilizers on the basis of a single application of some materials, over a period of 6 months, compared to repeat applications of others. The result has been a healthy disregard for any of the "results" reported. If local tests are to have value, more time and effort must be expended in design and interpretation.

Acceptance of Results Slow

When the brutal nature of the summer of 1959 finally dawned, there was considerable effort made to recall research results expounded at turf conferences and published in various places. By then, of course, it was almost too late, and the supt. mostly had to manage "by the seat of his pants". In many instances it was clearly evident that teachings based on research had not been put into practice and probably had not even been comprehended. There seems to be a certain amount of truth in the belief that a new



Wet clippings that accumulate on roller change height of cut, emphasize desirability of mowing when grass is dry.

idea developed from research (at least in agriculture) may wallow around for 10 years before it becomes accepted and put into practice.

One of the critical factors retarding acceptance of bona-fide research results is lack of understanding. Lacking understanding, the easiest way out is to say, "I'm afraid of that", or "I don't believe it will work", or "I'll never use that on my course". The situation becomes more difficult when leaders adopt this defeatist attitude. How much better to plan group action to test the validity of results under various management techniques on different courses, summing up with expert assistance at season's end to take stock of results.

Some research data becomes irretrievably lost when it is not related to the problems of producing quality turf. A case in point is one in which excellent data was presented on production of roots and clippings of a certain grass as related to levels of a certain form of nitrogen. The data failed to give any indication of which treatment produced the best turf. Weights of roots and clippings are meaningful to the supt. only when these data are interpreted in terms of turf quality.

What Is Quality in Turf?

Among research workers who have attempted to define "quality" in turf, one name at once comes to the fore—Prof. H. B. Musser. For years he worked diligently on a "Scorecard" which, when used

(Continued on page 82)

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Jack Schram (left) and Charley Bartlett, Chicago Tribune golf writer, check the checks in Burke competition.

Wallis, Cartwright Get Burke Writing Awards

Wally Wallis, Oklahoma City Daily Oklahoman, and Gary Cartwright, Dallas Times Herald, were winners of the news division and feature division competitions in the third Burke Golf Equipment-National PGA Distributors golf writing contests.

Wallis received \$250, a plaque and money clip for his account of the 36-hole Nicklaus-Coe match in last year's National Amateur final, and Cartwright received a like award for his story on Art Wall's attitude toward the tournament circuit.

Bill Rives, Dallas Morning News, won the second place prize of \$150 in the news division and third prize of \$100 went to Ben Garlikov, Dayton (O.) Daily News.

Runnerup in the feature division was Fred Byrod, Philadelphia Enquirer, and third place was awarded to Marshall Dann, Detroit Free Press.

The competitions, founded in 1957 by Jack Schram, now pres. of Comptometer Corp., and head of the Burke Golf div., were judged by faculty members of the University of Illinois' Journalism dept.

Michigan GCSA Officers

Michigan and Border Cities GCSA has chosen the following officers for 1960: Leo Johnson, pres.; Robert Prieskorn, vp; Cornelius Schrade, secy.-treas.; and William Bair, corresponding secy. Directors are Merton Nye, Donald Ross, Bob Williamson, Clarence Wolfrom, George Prieskorn and Ernest Wohfiell.

PGA Delegates Favor Headquarters Move

Delegates to the PGA annual meeting, the 43rd held by the organization, were practically unanimous in agreeing that the professional group should shop around and look for new national headquarters. A recommendation to this effect was made to the executive committee which will meet again in May to act officially on the suggestion. However, before the site of national headquarters can be changed, approval would have to come from the sectional delegates who will not meet again until late in 1960.

Members are disenchanted with the Dunedin setup because of inadequate golf facilities and also because the PGA's head office is not large enough and "is located upstairs with a side door entrance." The PGA leases the Dunedin Isles course from the city at \$1 a year and rents space in the First National Bank of Dunedin. A majority of delegates at the December meeting expressed the opinion that the pro organization should own the land and building which constitute the National Golf Club and that the home office should be more in keeping with a large and growing nationwide group.

No Offer Received

PGA officers say that they haven't received any firm offer of a new course site. If one were to be selected, approved and purchased, the PGA office would be moved to the new location because it is felt that the course and head office should be in the same city.

City Manager Herbert Dear and Dunedin commissioners are anxious to keep the PGA in Dunedin because they feel the pro organization is good for the city. Whether the course can be sold to the PGA hadn't been decided at the time of the December meeting because provisions of the deed to Dunedin Isles hadn't been fully studied by city officials.

Turf Conferences

- Jan. 5-6 Mid-Atlantic, Lord Baltimore Hotel, Baltimore.
- 18-21 New Jersey, Rutgers University, New Brunswick.
- 27-Feb. 6 National, Shamrock Hilton, Houston, Tex.
- Feb. 15-18 Penn State, University Park, Pa.
- Mar. 10-11 Massachusetts, U. of Mass., Amherst.