

mother of a boy July 28 at the Park Ridge (Ill.) hospital. George practically hired a national hookup to broadcast that the lad weighed 8 lbs. 2 oz., etc. etc. etc. . . . It looks like Jim Roche has a steady pro job at Elkridge CC (Baltimore district). Jim's been with the club 38 years.

Play at Brookside, Pasadena (Calif.) municipal course for the past fiscal year was 99,401, an increase of 9,000 over the previous 12 month period. . . . Emil Picha has his Midland Hills layout (St. Paul district) in top shape for the annual GSA tourney, to be held there September 16. . . . Ross L. Brown, popular young pro at Meadowlark GC, Huntington Beach, Calif., was killed Aug. 23 near Huntington Beach in an automobile accident.

Midwest Greenkeepers and Indiana Greenkeepers Assn. met in joint session for their September meeting, held Sept. 8 at the Longwood CC, Dyer, Ind. . . . Augusta, Ga., many golf course will get a new clubhouse soon to replace the old structure now there. Mayor Wooddall has approved plans for a new building to cost approximately \$19,000 . . . Extensive improvements to buildings and grounds at the Belmont Hills (Wheeling, W. Va.) CC, which have been under way the past two months, have been nearly completed. . . . Reds Banagan, of the Columbia CC, Chevy Chase, Md., urges establishment of a 'school for pros' on golf rules to erase present wide ignorance of code. . . .

Tam O'Shanter CC in the Chicago district, scene of the \$11,000 Tam O'Shanter Open this month, has been undergoing a \$100,000 improvement program. Construction includes a new caddie house, an outdoor dance pavilion, a refreshment pavilion adjoining the swimming pool, new tennis, badminton, and shuffleboard courts, paving a parking space and roadway into the grounds, and a new locker-room in the clubhouse. . . . A tool and equipment building at the North Hills CC (Philadelphia district) burned to the ground the night of August 23. Equipment lost included a new service truck, two tractors, several mowers and manual equipment. Total loss was estimated at \$35,000 by club officials.

September, 1941

## TIMELY TURF TIPS

### NITROGEN LEVEL FOR BENT GREENS . . .

The memorable season of 1928 emphasized the dangers of over-nitrogen feeding. It also taught the lesson of over-acidity. Even yet the damage of that year is a vivid memory.

Sulphating to curb clover and weeds was accepted practice until then. The attempt to curb both by intensifying soil acidity reached a climax that summer. The combination of very acid soil and lush grass from too much soluble nitrogen created turf unable to survive prolonged humid heat and excessive rains. So the acid theory died along with the grass and terminated the acid era.

By speeding growth, abundant nitrogen creates lush soft stems and leaves. As a result cell walls become thin and weak. Such turf bruises easily and falls prey to brown patch, scald, insects, and other disorders.

The obvious effects of nitrogen deficiency are generally understood, but others are ignored or not appreciated. Poor color and slow growth, as well as increased weeds and clover indicate nitrogen shortage. But dollar spot is intensified by nitrogen deficiency. *Poa annua* flourishes in cool weather, when bent is prone to go dormant, so it often takes possession when nitrogen level is too low to keep bent grasses aggressive.

The secret of sensible nitrogen feeding is to use enough in early fall and in spring to keep bent vegetative. But the supply should taper off towards the end of each season, so turf hardens-off. Then it survives winter better, and withstands summer heat too.

True organics, such as Milorganite, constitute the backbone of any effective nitrogen fertilizer program. By releasing nitrogen slowly and uniformly as needed, true organics sustain uniform and continuous growth. That is the basis of good turf on greens.

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*If your feeding program is not producing effective results, let our Turf Service Bureau help you to devise a better program. Their help, including soil tests if needed, is free for the asking. Write:*

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