

### Advances in Crop Forecasting Noted By Nationally-Known Meteorologist

Highly accurate forecasts of crop maturity and yields are now possible and crop quality forecasts will come in the near future, according to a nationally-known agricultural meteorologist who is a visiting professor at Oregon State university. The forecasts will be possible early in the season—perhaps as early as 12 to 20 days after planting, says Dr. Jen Yu (David) Wang.

Revised yield forecasts have to be issued later in the season depending on the current weather but maturity and quality forecasts can be made quite accurately without using long-range weather forecasts, he insists.

Wang has been in charge of crop forecast research at University of Wisconsin since 1957. Crop maturity date forecasts made 12

to 20 days after planting in 1961 proved to be 85 to 95 percent accurate for sweet corn and peas.

Last year, his forecasts covered yields as well as maturity date. For peas, the accuracy of these forecasts ranged from 75 to 99 percent at various test sites and from 89 to 97 percent for sweet corn.

#### To Add Quality Forecasts

He expects to add quality forecasts to maturity and yield outlook within five years. There aren't many crops that can't be forecast, he says.

Such forecasts are of tremendous value to the canning industry and to other agricultural interests, Wang pointed out.

Wang's forecast methods combine the ancient science of phenology with the latest electronic measuring and recording instruments to give almost minute-by-minute information on the crop and environment.

Phenology, a science dating back to ancient China, is the use of plants or animals as indicators of weather conditions, he explains. More formally, it is a study of the relationships between various physical environmental factors and periodic changes in growth and development during the life cycles of plants and animals.

#### Based on Temperature Units

A basic concept is that all plants have a certain minimum air temperature necessary for growth depending upon the environmental conditions. A certain number of these temperature "units" are required for crop maturity, depending upon species and varieties.

Air and soil temperatures and a number of other factors are considered the significant elements, Wang says, and the planting-to-seeding stage as the significant period.

Eight years of work at University of Wisconsin indicate that soil temperature at the early stage is the predetermining factor for maturity of sweet corn. Similarly, night temperature is the significant element at the reproductive stage of sweet corn, according to Wang.

#### Electronic Devices Used

Wang uses electronic recording devices to keep an "eye" on soil and air temperature, evaporation, precipitation, etc. Findings are plotted, predicting equations developed and worked out on computers.

Wang came to OSU to conduct a special series of seminars on agricultural meteorology. He was earlier a Weather bureau meteorologist and teacher in China and Formosa before coming to this country for graduate work at University of Chicago and Wisconsin.

Two books by Wang have been published the past year. One is a 700-page "Bibliography of Agricultural Meteorology;" the other is titled "Agricultural Meteorology."

### 'Baseball for Kids' Registration Meet Scheduled March 29

Signup date for Nyssa boys desiring to play baseball this summer has been set for 7 o'clock Friday evening, March 29, at the American Legion hall on North Second street, according to Dick Wilson, a member of the committee.

All boys aged seven through 18 will have a chance to participate in summer baseball this year. The program has been enlarged to include a Pee Wee division comprising boys seven through nine years of age.

Breakdown of teams by age for the coming season include Pee-Wee, boys seven through nine years; Little league, nine through 12; Babe Ruth and Pony league, 13 through 15; Junior Legion, 15 through 18. All ages are figured as of Aug. 1, 1963.

All players are urged to sign up at the Friday night meeting instead of waiting until later, Wilson said. This will simplify record processing for the committee. Boys aged nine through 18 are asked to take their birth certificates to the meeting.

Parents and interested persons are invited to attend the signup meeting. An outline of the "Baseball for Kids" program will be given and it will give parents a chance to ask questions about the sport which has now become a big event in their son's lives, Wilson concluded.

### Mabel Turner Rites Held in Prairie City

Prairie City funeral services for Mabel C. Turner were conducted Saturday, March 16, 1963. She succumbed last week in that city. She was born Feb. 22, 1894, in Florence, Kan., and was united in marriage on Feb. 18, 1918, at Marion, Kan., to Cash R. Turner. The couple resided for many years in the Sunset Valley area near Nyssa.

In addition to Mr. Turner, survivors include a daughter, Mrs. LeVina Howard of Bates, Ore.; two sisters, Mrs. Bessie Tuttle of Florence and Mrs. Iva Wiley of Emporia, Kan.

Also surviving are two grandchildren, Mrs. Patricia Rush of Boise, Gerald L. Howard of Red Bluff, Calif., and two great-grandchildren.

Interment was made in the cemetery at Prairie City.

Classifieds Get Quick Results!

### SATURDAY BANQUET SET BY MEN'S BOWLING GROUP

First annual Men's City Bowling association banquet will be served by Job's Daughters at 7:30 Saturday evening in the school cafeteria.

Tournament awards will be presented following the dinner. Tickets are now on sale by team members of the various leagues.

### BASIC SPEECHES GIVEN BY LOCAL TOASTMASTERS

"Is Air Travel Safe?" was topic of the speech given last Thursday morning by Bob Sherbert at the regular meeting of Nyssa Toastmasters. The Rev. Wallace Prowell presented "Hello," what happens at breakfast when the telephone rings. Both were basic speeches of Toastmasters.

The Rev. Armand Larive served as toastmaster. The Rev. Paul Ludlow, topic master and Don Bowers, evaluator.

### Nyssa Births . . .

March 13 — To Mr. and Mrs. Neil O. Mower of Parma, an 8-pound, 15-ounce son, Nathan Neil.

March 14 — To Mr. and Mrs. Ralph DeLong of Vale, a 9-pound, 2-ounce son, Richard Wayne.

March 15 — To Mr. and Mrs. Ambrose Hernandez of Adrian, a 7-pound son, David P.

March 17 — To Mr. and Mrs. Albert Harris of Parma, an 8-pound, 2½-ounce daughter, Janet Kay.

March 18 — To Mr. and Mrs. Charles Wood of Nyssa, an 8-pound, 3½-ounce son, Rodney Jay.

March 20 — To Mr. and Mrs. Gonzalo Escobedo of Nyssa, a 7-pound, 5½-ounce daughter, Sandra Lou.

### Add Salt Last in Salad Making

Save the salt until last when you are making a green salad. Otherwise, the salt will draw moisture out of the leaves and leave them wilted.

### Tourists in State Leave \$217 Million During '62 Season

"Keep 'em here another day" and the state's economy will be enriched by \$70 million.

This is the theme of the Oregon State Highway department in its efforts to expand tourist promotion from out-of-state. The department is heading a campaign among chambers of commerce, resorts, trade associations and businesses catering to the traveling public.

Due to the Seattle World's Fair, more than a normal number of tourists traversed the state in 1962. But if the 9,255,000 motorists had spent one more day in Oregon their spending within the state would have been \$55 million more, according to State Highway Engineer Forrest Cooper.

And if those travelers by bus, train and plane had spent an ex-

### MOVE TO GRANDVIEW

Mr. and Mrs. Frank Perko, former residents of the Sunset Valley community who have been residing near Caldwell, have purchased a farm near Grandview, Idaho, and moved there last week.

### Advice on Living . . .

He is happy whose circumstances suit his temper; but is more excellent who can suit his temper to any circumstances.

tra day in Oregon, they would have left an additional \$15 million in the state.

The department has an extensive campaign of advertising and promotion to attract these visitors but it is up to the citizens at the local level to make them feel welcome and keep them here longer, Cooper noted.

Included in the department's program are plans to inform local people, especially in the retail and service fields, what the local attractions are in the area.

### NYSSA HIGH SCHOOL CALENDAR OF EVENTS

March 21-22—Spring vacation. March 25—Schoolmasters meeting.

March 28-29—Music department musical.

### VISIT IN PORTLAND AREA

Mr. and Mrs. T. S. Weeks and Mrs. Lloyd Orris spent a recent weekend in the Portland area. The weeks couple were guests of their son and daughter-in-law, Mr. and Mrs. Duane Weeks and family at Milwaukie while Mrs. Orris visited a niece at Oregon City.

### VISITS FROM SPOKANE

Al Schomburg of Spokane left Tuesday evening for his home after visiting his brother-in-law and sister, Mr. and Mrs. J. C. Olsen. He also attended a meeting at the Gem Potato Chip company in Nampa while in this area.

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