

Mrs. Bartos Furnishes Cover for This Issue

Because our series of "county stories" went clear up to the north end of the state this issue, with the Navajo County story by Amos Underwood, we sought a cover design indicative of that area.

Mrs. LaVerne Bartos of Window Rock, a highly talented artist and writer, came to our aid with the verse and sketch which appear on the cover.

Mrs. Bartos, whose husband, Stanley Bartos Jr., is a longtime BIA employee in the Navajo Agency offices at Window Rock, has spent years studying the Navajo people, their customs and their land. She has many friends within the tribe, and has developed great sensitivity to tribal mores.

Because of all this, plus her great talent, our readers are now given a cover verse and sketch by Mrs. Bartos which are authentic as well as beautiful.

Cananea Range Bulletin Has Exceptional Quality

One of the most attractive agricultural publications which has come to our desk is one recently issued at Cananea, Sonora, dealing with the range management practices in a vast area of Sonora.

Author of the publication is Ing. Enrique Cortes Chavez. The publication's title is "Manejo de los pastizales del Pais," with the subtitle: "Un Ejemplo: Ejidos Colectivos Ganaderos de Cananea, Sonora, Mexico."

Señor Chavez himself has prepared a number of tip-in maps and charts showing the location of the various improvement projects, rainfall charts, temperature charts, wind direction and velocity maps, and maps of waterways.

Using the technique employed in many University of Arizona publications by Dr. R. R. Humphrey, Señor Chavez intersperses his text with many actual photographs of the study area, then adds a series of line drawings of plants—beneficial and toxic—found in the study areas. Many of these drawings were taken from a Humphrey publication.

The quality of the text, the completeness of the publication, and the attractive printing and cover make this Cananea publication exceptional. Señor Chavez and those who collaborated with him merit our sincere praise.

Howard Ray Reports From Brazil

Extension Program at Ceara Basic, Active and Helpful

Dr. Howard Ray

How can families improve their diets when needed foods are not available? How can livestock be fed during the dry season when no forage has been preserved? How can we get information to the people when the avenues of communication are involved and sometimes limited? These are a few of the problems facing ANCAR-CEARA today.

ANCAR-CEARA is the Agricultural Extension Service for this state in northeast Brazil. It is *not* a part of the University of Ceará although relations between the University and ANCAR are very good. Dr. Menezes Coli, ANCAR-CEARA director, is a highly capable administrator who has a deep concern for the people of his state.

In size, the staff is about like the Arizona Extension staff. Last year 69 Extensionistas (county agents and home agents) maintained offices in 30 municípios (counties). This represented about one-third of the state's total area and population. In addition to the Extensionistas in local offices, the "state office" included an administrative and specialist staff of 11 people. Both size of staff and area served are being increased somewhat this year.

Urge Home Gardens

As the first step toward improving diets, Extensionistas encourage families to plant papayas and home vegetable gardens. This is actually a family nutrition program because fruits and vegetables will be eaten if available.

Stacking, baling, or ensiling forage is suggested to provide livestock feed during the dry season. Since this is a "new" idea, Extensionistas worked with a few farmers on putting up hay last year. They hope more will try hay making this year.

published by ANCAR contain information on agriculture and family living. Included are posters, leaflets and bulletins on such subjects as "Preserve forage in bales," "Spend less, earn more with a balanced ration" (for swine), and "Make your garden and eat vegetables." Numerous illustrations tell much of the story, and in many cases those who have read such publications are happy to pass on the information to others, who have not had access to the published material.

Radio is Key News Medium

Radio is now used widely to arouse interest and inform people. This was made possible by development of transistor radios which now are numerous, even in areas where there is no electricity.

New information is also introduced at meetings and with demonstrations. Regardless of how they learn about it, if a few people are successful with a new practice this year, some of their neighbors will try it next year.

Up to now I have had only brief contacts with Dr. Menezes and his staff. Therefore, I cannot report in detail on either specific extension programs or my own activities as an extension advisor. Later, there will be much to tell—our successes and failures, agriculture and home economics work in extension, the Quatro-S (4-H) program, and more. We will attempt to tell about these in future reports.

Dr. Ray, who wore the hat of Extension Cotton Specialist on the University of Arizona staff, has the title of Agricultural Extension and Personnel Training Adviser, as a member of the U of A team at Fortaleza, Brazil. Because his academic training included considerable soils science, Dr. Ray is also working in soils at Fortaleza, helping the Brazilian soils people in their research and teaching programs. He is also assisting Prof. Sol Resnick, another member of the U of A team in Brazil, in coping with a drainage problem on the new experimental farm attached to the University of Ceará.