THE WAYNESVILLE MOUNTAINEER

### Section Two-Page 7 7

### orld War II Brought Development of Synthetic Rubber Top Honors For Dayton Rubber Square Dance Team

rogram And ms Aided w Product ee Substituted et Which Only e Had Been Able rovide.

a peep for World War utilar would still be and course ne un at invention and As a result and industry the cradle ake its place alongoties and plastics in

heures indicate the t America's synthetic in 1944 we pro-Thus year wa son to 1.600.0ol 40 will be producing The sonthetic rub-

as just more than and employs workers in 50 new of these is the Coat Baton (Dist. I.C. TOP the cooperators. think of synthetic mig very new, just structure. such is not the case. Processing and Components e in years since the whethe rubber was

st was unite by acciback many years of act before the rubade ou even a very 1826 the scientist.

y intrigued by the rubber, discovered elefitrations of hyand the long chain of molecules

thus formed usually follow a define any rubber-like to the other hillion Talden - a xperified in large sellow

ist resembling rubber mount was incom-

other Julius A. Nieuw. rubber or the polymerization plants Dame University disidentally what today is r first really successful faster and cheaper mber Working with

**Products and Production** In making synthetic rubber proe modured a plastic blater ktown as chiotax a themist, inter-25 percent longer to build a SAU life and a use for ethylene thetic rubber passenger tire, for

e material from oilas was experimenting operations are needed. entirals One day dechloride and somechanical goods such as printing rollers, certain textile machinery lowering the price. ide into a beaker and from this, hoped parts and v-belts. Synthetic rubberadvecte Surprising- is superior for many mechanical consume 1.500.000 tons of rubber on began to congeal. aside Next morning, a substance appeared oil and heat resistant.

Types

ed to him revealed a The five commercial types of prorubber later known

her experimentation. and not duplicate ex- Butyl and Thiokol.

mol the beaker Fur-

plicating the chemical structure one-quarter-Syrene-brought togeth- Crops in the Southern Hemisof rubber and started their search or by the chemical process called phere have been reduced by for a duplication of the material polymerization. The oil and che- drought. Argentina, Brazil, Auswhich would have the same physic mucal companies make the raw mastralia, and the Union of South rick a of which Dayton cal properties. They emphasized terials the Butadiene and Styrene Africa are all affected. This measure the linking together of molecules. The rubber manufacturers then less food for Europe to give the physical properties of carry on the polymerization prorubber regardless of its chemical cess Another synthetic rubber known

took top honors at the 1944 Fulk Festival in Asheville.

as Bulyl has the least diffusion of In processing synthetic rubber and of all rubbers, synthetic or napolymerization takes place Poly-futial. And makes the best inner merizing is the gathering together tube . So good, in fact, that it's or chaining together of this mole- doubtful whether any other kind cules which will form a large of rubber will be used for tubes. molecule. The larger chain may Because of the present shortage of be made up of thousands of mole. Butyl however, we cannot use it cules-estimated as high as 100,000 except for truck tubes. A share ties of a substitute to 200,000 or more in one chain in the development of Buytl was Polymerization of the synthetic is done in our own plant with the pased of five atoms usually characterized by jelling of cooperation of the Standard Oil Dethickening of the latex solution velopment Company

Future

Thunderous applause from over 3,000 people greeted the Dayion Rubber Square Dance Team as it

What then is the future of this made was in 1892 nite pattern in their linking of one 700 million dollar synthetic rubber industry? When natural rubber is Most synthetic rubbers' chief once more available in quantity, raw material is either petroleum are we doing to scrap our synthetic or alcohol. The controversy over tubber plants? And return to the the use of either of these mater "05e of natural plantation rubber ials has no bearing on the finished produced by England and Holland? Synthetic rubber production will but only over which can be made act as a price stabilizer. We can produce if at a cost of 10c to 12c a pound and allowing for plant amortization and profit, can sell it

> For several years after the planinstance, and over 30 additional tations are available, we will be able to use their output plus the Synthetic rubber is also used for (synthetic but within three or four

Estimates now are that we will synthetic and 500,000 tons of na-

Under the impetus of continuous ducts ordinarily classified as synchresearch, it seems reasonable to thetic rubbers are commonly known assume that we will eventually have as Buna N, Buna S. Neoprene a synthetic rubber superior to natural rubber ith wild and plantation rubber. synthetic rubber we can tailor a undecule to suit exactly, say, the requirements of a tire tread, a printing coller, or a v-belt. We have hundreds of ingredients avmlable for rubber compounding. We have hundreds of ingredients available for rubber compounding. We can make synthetic rubbers which will bring out to a much greater degree, their best proper-Vegetables in the Victory Garden should be mulched just after growth begins.

### Only 19 Men Reclassified This Week

Only 19 men were reclassified during the past week by the draft board serving the Waynesville area ob the county with three continued in class 1-A as follows: Spencer Walker Etmer D. Hendrix, and Jack Ray Ferguson. Placed in class 2 A was Carroll J Morrow

Placed in class 1-C (discharged) were Herman W. Brooks, John N Sutton, Thomas A Sutton and Joseph C. Swayngam

Placed in class 2-A (F) was Cheve W. Caldwell

Placed in class 2/B was William G Dotson

Placed in che-Charles M Dunn

Placed in class 2.C was Reeve

Placed in class 4-A was William Suttem

Placed in class 4-F were Carl F. Henry and Handy W. Kirkpat-Continued in class 2 A (F) was

Welton Reynolds



**Girls Club Entertain Sailors** 

convalescent sailors when they entertained the sailors from the Asheville Naval Convalescent Hospital at a pienic at Piedmont

### Memorial Services Held For Two Canton Men

Memorial services were held at the Beaverdam Baptist church on Sunday afternoon at 2:30 c/clock honoring T/Sgt. Gomer H. Scott and T/5 William M. Scott, son of Mr. and Mrs. Arthur Scott, of the Beaverdam section of the county, who have paid the supreme price

T/Sgt. Scott will be posthumous ly awarded the Bronze Star which was presented to his family by Lt. Col. Ralph R. White, of the army service ground forces Redistribu tion Station, Asheville.

Sgt. Gomer Scott was killed in France on July 25, 1944, and T/5 Scott was killed in action in Germany on March 30, of this year. Another son, Calvin C Scott, is serving with the Navy somewhere in the Pacific.

Rev. Lucius Rogers, pastor of the church, was in charge of the service

Last year's pig crop was down 34 per cent from the year before. Since pork accounts are about 50 per cent of the meat supply, no wonder there's a shortage

### Welcoming

## **Dayton Rubber Company**

to the honored few in Western North Carolina holding this high award

ducts, production problems are at from the to 17c by the time namore complicated. It takes about butal rubber is once more availa-

years surpluses will increase, thus

products. V-belts, for example, of for several years of postwar prosynthetic rubber can be made more duction about 1,000,000 tons of tural rubber.



"On the House"





A GERMAN WAREHOUSE filled with aquor is raided by a crowd of libtrated Russian, Polish and French ivilians after its capture by Amercan forces. As crowds below wait with outstretched arms, companions from an upper window toss bottles booze to them. (Intern



# DAVE STEEL COMPANY, INCORPORATED

Asheville, N. C.

Designers – Fabricators – Erectors