

General Electric Company Develops Amazing New Kind of Synthetic Rubber

NEW YORK, Nov. 15—A new synthetic rubber, which looks like and is as pliable as soft put-

ty, but which, contrary to characteristics of ordinary rubber, loses none of its elastic qualities at temperatures as low as 60 degrees below zero and as high as 575 degrees above, was announced here today by the General Electric Company. It is known as silicone rubber, and can be stretched like taffy or chewing gum, yet when rolled into a round mass will bounce as well as, if not better than any ball made of the best rubber.

This new rubber has many war time uses. The War Department permitted announcement of two, its use as a gasket for B-29 superchargers which operate at extremely high temperatures, and for a like use in supporting the lenses in large Navy searchlights, which must stand severe vibrations every time a battleship's big guns are fired as well as extreme heat from the electric carbon arc supplying the illumination.

Representatives of the newspapers and trade magazines were invited to this demonstration held at the Engineers Club and each was given a sample of the new material, with the result that the room soon took on the appearance of a child's playroom, with everyone moving about bouncing his own made rubber ball.

For a number of years General Electric chemists have been studying compounds known as "silicones" and have adapted their curious properties to resins, oils and insulation.

Silicon, present in sand and glass, is a close relative of carbon. Both elements can form long, chain-like molecules called polymers. Organic polymers, such as natural and synthetic rubber, have a backbone of carbon atoms. Silicone rubber is also a polymer, but its backbone is a series of units each consisting of a silicon and oxygen atom. This replacement of the carbon backbone with silicon-oxygen linkages is responsible in most cases for improved thermal stability.

The raw materials from which it is made are easily available. Silicone rubber can be made either quite soft or comparatively hard. However, in its present

Miss Margaret Ramsay leaves today, Thursday morning for Redding, California, where she will spend the Thanksgiving holiday with her brother and his family. Special guests also will be Miss Ramsay's younger brother, Donald, a former Ashland resident, who is with the SeaBees as Electrician's Mate First Class, who is home on a 30 day leave after spending two and a half years on duty in the South Pacific fighting areas. It is his first leave from duty. He has been spending the past week in Redding, and on Friday he and Miss Ramsay will return to Ashland where Donald will spend 10 days renewing acquaintances with friends and with another sister here. He will then leave for the east where he plans to spend the balance of his leave with relatives to report for active duty again in Rhode Island. He has a wide circle of friends in Ashland who will be glad to see him again after a prolonged absence.

Mr. and Mrs. Larkin Grubb and son Milo, left Wednesday evening to spend the Thanksgiving holiday with Mrs. Grubb's brother and family, Mr. and Mrs. Jack Beagle at the Summit ranch, at the top of the Green Springs hill. Also guests for Thursday dinner was another brother, Bill Beagle and wife and two daughters of Ashland.

Miss Alice Patterson, secretary of the Ashland Chamber of Commerce was in Portland the first of the week on business.

Mr. and Mrs. Frank E. Woods have returned to their home in Ashland from a visit of several weeks with relatives and friends in the middle west.

Mr. and Mrs. Emil Kroeger and Mrs. Kroeger's mother, Mrs. Anna Lehr were Thanksgiving dinner guests of Mr. and Mrs. Ed Edgill at 1143 Iowa street Thursday.

Mrs. Ned Griffen and two daughters arrived Monday at the home of the Rev. and Mrs. Gordon Griffen to spend the Thanksgiving week end. They came from Mapleton, Oregon.

S/Sgt. John Murphy left Tuesday for Camp Leonard Wood after spending a two-weeks furlough with his wife. He left by plane Tuesday. He is a member of a headquarters company of field artillery. He is expecting to leave soon for overseas duty.

The Rev. and Mrs. C. F. McCall entertained for Thanksgiving dinner Thursday, Mr. Brickley, Mrs. Durfee and Mrs. Cora Burns.

Mr. and Mrs. Kenneth Bremner returned Sunday evening to their home here after spending

state of development it is not suitable for automobile tires and other uses where high tensile strength is required.

LOCAL HAPPENINGS

two weeks in Los Angeles. Mr. Bremner has not been so well, and took the two weeks off to rest up.

Rapid City Army Air Base, S. Dak., Nov. 20—Pvt. Richard G. Berninghausen, son of Mr. and Mrs. Carl G. Berninghausen of Ashland, Ore., recently was married to WAC PFC Shirley I. Bemis at a chapel of the Rapid City Army Air Base, where both the bride and groom are stationed. The bride is the daughter of Mrs. Ida V. Bemis, 2821 S. 36th Ave., Minneapolis, Minn. Mrs. Bemis and a number of the couple's friends were in attendance.

Services Thursday for Mrs. Peachey

Funeral services were held Thursday afternoon at the Litchfield Funeral Home for Mrs. Henrietta Peachey of 100 Lincoln street. She was a member of the Christian church and had been a resident of Ashland for the past 38 years.

Born Henrietta Ida Sayers, August 19, 1863 at Neenah, Wis., she was married to Albert Peachey at Westline, Missouri on January 14, 1880. Survivors include four daughters, Mrs. J. A. Bish, Mrs. Bertha McKinney, Mrs. Edwin Dunn, all of Ashland, and Mrs. Lee Port of Jacksonville; four sons, A. L. Peachey of Ashland; Ernest Peachey of Baring, Wn.; Lee Peachey of Medford and Dr. R. L. Peachey of Pasco Robles, Calif.; a sister Mrs. Carrie Shaffer of Milan, Kansas, 15 grandchildren and ten great grandchildren.

The Rev. Earl F. Downing officiated at the services and interment was made in the Mountain View cemetery.

AT THE CHURCHES

Seventh Day Adventist Church
Corner Fourth and C Streets

Sabbath School 9:30 Saturday. Worship 11:00 o'clock. The Friday evening meeting will be discontinued until we occupy our new church.

Presbyterian Church
130 North Main Street
"A Friendly church for thoughtful People."
Rev. George M. Shuman, Pastor

11 A. M. Morning Worship with sermon by the pastor, Rev. George M. Shuman. Anthem by the choir under the direction of Miss Florence Allen with Mrs. J. W. McCoy at the organ. 6:30 P. M. Intermediate and Senior Societies. 7:30 P. M. Evening Service. 7:30 P. M. Wednesday evening. Midweek service for Prayer and Bible Study.

Neighborhood Church Congregational
Corner of Blvd. and Morton
J. Howard Rees, Minister
Mrs. John Barker, Church School Superintendent

Miss Margaret Ramsay, Organist 9:45 Morning Worship and Study Period of the Church School. 11:00 A. M. Morning service. Dr. Paul Davies will bring the message. There will be a business meeting following the worship service. 6:30 P. M. Evening meeting of the Pilgrim Fellowship.

Church of the Nazarene
W. R. Wise, Pastor

9:45 Sunday school, with classes for all ages. T. S. Wiley, Superintendent. 11:00 Worship service. Message: "Our Duty of Praise". 6:30 N.Y.P.S. Virginia Shultz, president. 7:30 Evangelistic service. 7:30 Wednesday, Prayer meeting.

Methodist Church
Dr. G. W. Bruce, Minister

The Sunday school meets at 9:45. This school endeavors to place first emphasis upon the fundamental teachings of the Bible. The morning sermon is at 11 on the subject "God and Man Can Save the World." The choir will lead the congregational singing and offer a special anthem. The High School and College age Methodist Youth Fellowship will meet for worship in the Little Chapel at 6:15. The Intermediate Methodist Fellowship group will meet in the Junior Sunday School department rooms for worship at 6:15. The evening sermon is at 7:30 on the general theme, "Building a Deep Religi-

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ous Experience." The midweek Bible study and prayer service is each Thursday evening at 7:30. The scripture lesson for this week is Hebrews 2nd chapter. Dr. G. W. Bruce, Minister.

"Faith Temple"
(Undenominational)

Corner of 5th St. & East Main
Rev. Leo C. Wine, Pastor
Sunday School 10:00 a.m. There are classes for all ages. Mrs. Leo Wine, Superintendent.
Morning Worship, 11:00 a.m.
Evangelistic Services 7:45 p.m.
"Come with your burdens and carry away a smile."
Tuesday night—Prayer meeting
Thursday night: Bible Study at 8 p.m. Subject "Life of Christ."
Evangelistic Service Saturday night, 7:45 p.m.

Church of Christ
Second and B Streets
Earl F. Downing, Minister

Morning Service, 11:00 A. M. Sermon, "Christian Truthfulness" Evening Service, 7:30 P. M. Mrs. Isabel Maxey Dittmore will speak. Mrs. Dittmore is a missionary to Tibet. Her field of service has been in the strategic China-Burma-Tibet Area that we now read about in the Daily press in connection with our military operations in India.

FULL GOSPEL TEMPLE
(Assembly of God)
485 Siskiyou

Sunday Services:
Sunday School 9:45 A. M. Mrs. George Icenhower, Superintendent. Evangelist John Stovall will speak a few moments to the Sunday school.
11:00 A. M. Morning Worship subject: "Should I Join the Church?" A large number of new members are to be received into the church at this time.
5:30 P. M. Orchestra rehearsal.
6:45 P. M. Young People's Christ's Ambassadors service. Miss Dorothy Pedersen, President.
7:30 P. M. Evangelistic service Subject "A Great Time to be Alive." Rev. Gordon Lindsay speaking at both morning and evening services.

Wednesday 7:45 P. M. Young People's service.
Friday 7:45 P. M. Regular service.

The Church of the Brethren
ASHLAND - MEDFORD

Services for Sunday, November 26, 1944
10:00 A. M. The Church School: Theme, The Christian View of

Industry." "Let him that stole steal no more; but rather let him labour, working with his hands the thing which is good, that he may have to give him that needeth." Eph. 4:28.

11:00 A. M. Morning Worship Service: Message "Let the Redeemed Say So." Following the worship service there will be an important business session. Members and friends of the church are urged to be present.

Sunday Evening 7:30 P. M. "Vespers": For the whole family. Message: "What God Requires." by Rev. E. W. Pratt. Sing your favorite hymns.
Ward E. Pratt, Minister.

First Church of Christ, Scientist

Sunday morning service at 11 o'clock.
Sunday School at 9:45 a.m.
Wednesday evening meeting which includes testimonies, Christian Science healing, is held at 8 o'clock.
Reading room open daily from 2 to 5 p.m. except Sundays and holidays.
The public is cordially invited to attend these services, and to use the Reading Room.

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Pioneer Air Express Flight 25 Years Ago



A quarter century of air shipping progress is symbolized in these loading scenes. Below is New York's Mitchell Field early in the morning of Nov. 14, 1919, as huge 4-engined bomber was loaded with air express cargo for an experimental New York-Chicago non-stop flight. At left, is view of rear compartment of modern air transport taking on essential war traffic.



JUST 25 years ago this month, the first full-scale experiment in the transport of express by air was undertaken. The early morning of Nov. 14, 1919, saw a huge 4-engined Handley-Page biplane lumber across Mitchell Field, Long Island, and slowly rise into the air on a non-stop flight, New York to Chicago. Backing this first practical air express demonstration was the predecessor company of Railway Express Agency, which today handles express for the nation's commercial airlines.

Pilots of this non-stop attempt were Admiral Mark Kerr, British Navy, and Major Brackley, Royal Flying Corps. The huge ship—it weighed 28,000 pounds, had a wing span of 126 feet—also carried four mechanics and two passengers, one of them Douglas Malcolm, well known advertising man who thus became the first air express messenger.

The big craft had a load of 600 pounds of express, much of it merchandise for Chicago's famous department stores and mail order houses. Shipments to New York

newspapers, addressed to Chicago newsdealers, also were aboard.

Despite the good wishes of express and aviation officials, and the best available weather reports, the craft was forced down at Mt. Jewett, Pa., after eight hours flight. Strong headwinds over the Alleghenies a stretch of country that even today is regarded as hazardous caused the unscheduled landing.

One interesting development resulting from the forced descent was the first application of air-rail coordinated service, now an important part of air express operation. Mr. Malcolm recalls this incident: "Feeling responsible for the air cargo," he said, "I got in touch immediately with the express agent at Mt. Jewett. Twenty minutes after landing, we had our shipments at the depot, ready to catch the next train to Pittsburgh, thence to Chicago. I accompanied them, reaching Chicago at nine the following night. My experiences as the first aerial expressman were over!"