

Science For You



3-23

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BY BOB BROWN

PROBLEM: A simple electromagnet.

NEEDED: Iron filings or bits of steel wool, small gauge copper wire, a 6-volt lantern battery.

DO THIS: Bend the wire as shown and connect one end to the battery. Touch it to the filings, and nothing happens. Hold the other end of the wire of the battery, touch the wire to the filings, and some of them are picked up as the wire is lifted.

HERE'S WHY: There is a magnetic field around any wire carrying a current. Since iron and steel are attracted by a magnet, they are lifted because we have made a magnet.

In many books of experiments it is suggested that only a straight wire can be used for this. It may be a difficult experiment with only a straight wire. But if one turn is put into the wire, as shown, it is easy.

Do not hold the wire against the battery terminal more than a few seconds. It would run the battery down rather quickly if held for very long.

Drawing shows a toy transformer used instead of a battery. It is better because it is stronger. But the wire may get hot, so wear a glove on the hand holding the wire.

This special "Science For You" feature is sponsored by Olin Corporation at Pisgah Forest in cooperation with The Transylvania Times.

Enrichment Program For Students

ASHEVILLE — For the fourth summer, the University of North Carolina at Asheville will offer an enrichment program for talented high school students.

Paul T. Deacon, dean of students and Enrichment Program coordinator, said courses will be offered in four academic areas: Chemistry, drama, literature and mathematics.

The programs are beamed at high school seniors, juniors and even sophomores who may earn college transcript credit as well as experiencing curricular and extra-curricular campus life prior to graduation from high school.

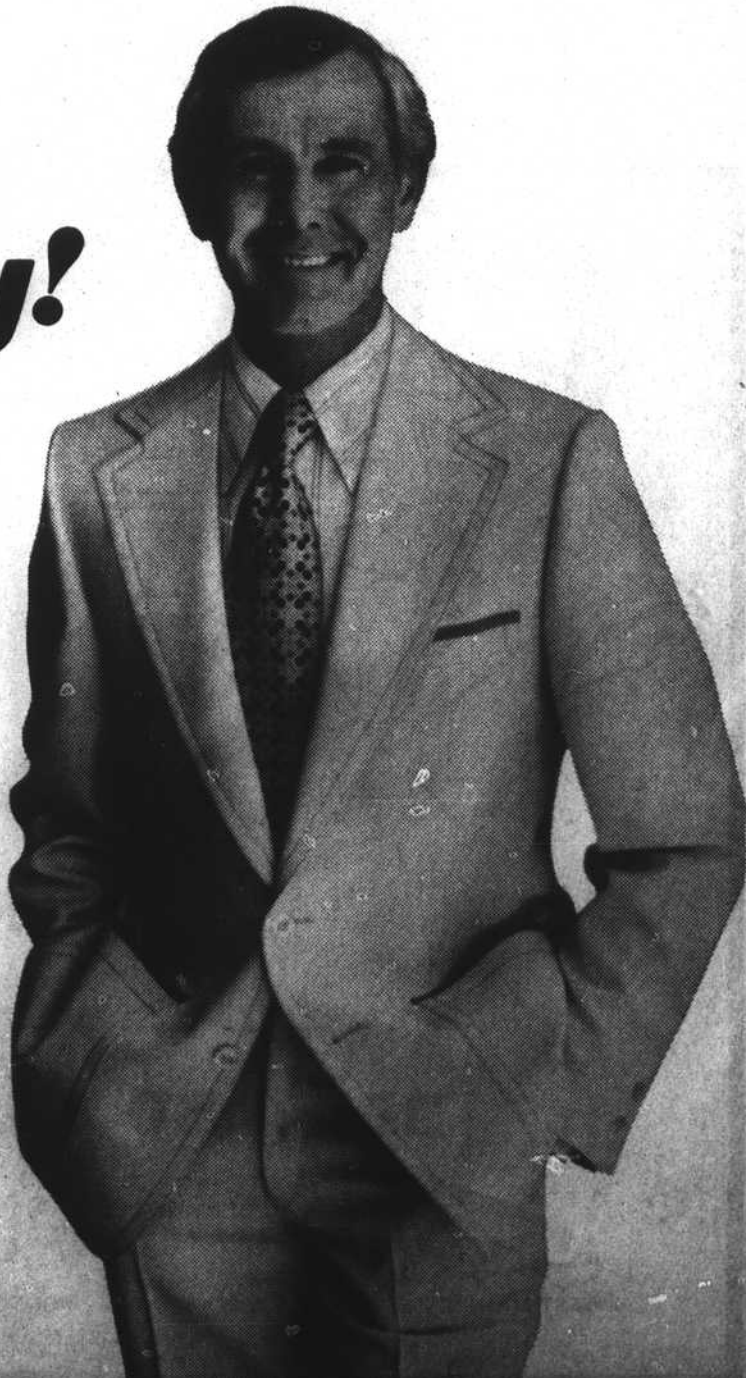
The drama classes begin May 18 and end July 12, the math program runs from June 9 to July 10, chemistry from July 7 to Aug. 1 and literature from July 9 to Aug. 7.

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**Patterson's
of Brevard**

Johnny Carson Apparel, Inc. © 1975

T. E. Tartt Promoted By Ecusta

Thomas E. Tartt has been promoted to assistant controller, Ecusta financial analysis, in Olin Corporation's Fine Paper and Film Group at Pisgah Forest, according to an announcement by Marvin Johnson, controller.

Tartt was senior staff analyst in the controller's department for the past two years. He was employed by the Ecusta Paper Division's Industrial Engineering Department in October 1964 and transferred to the controller's department in 1971 as staff financial analyst.

A native of Martin, Tenn., he completed high school in Paducah, Ky., and attended Auburn University where he earned a B. S. degree in Industrial Management. He was a co-op student with the Illinois Central Railroad while at Auburn.

He served recently as president of the Western North Carolina chapter of the American Institute of Industrial Engineers, and is a member of the First Baptist Church in Brevard.

He is married to the former Molly Winslow of Mayfield, Ky., the director of the First Baptist kindergarten. Mr. and Mrs. Tartt have two children and live on Ridgewood Place, Illahee Hills, Brevard.



T. E. TARTT

Rocky Bottom Sing Easter

ROCKY BOTTOM, S.C. — There will be a singing at the Rocky Bottom Baptist Church Easter Sunday afternoon beginning at 2:30 o'clock.

Singers will be the Faith Quartet of Pickens, Ray Aiken Trio of Rsuman, and the Pilgrim Singers of Asheville. Visitors are welcome. Rev. Claude Holcombe is pastor.

New Dyeing Technique: Each Side Different

NEW ORLEANS, La. — Housewives who like pretty towels may soon find a wide variety of fancy multicolored towels on store shelves as a result of a new invention of U. S. Department of Agriculture (USDA) scientists who have the consumer in mind.

Traditionally, dyeing has been used to enhance the style and beauty of cotton textiles. It is far less expensive than weaving multicolored fabrics, and the colors go deep into the fabric unlike the surface effect of printed fabrics.

Now scientists of USDA's Agricultural Research Service (ARS) have developed an entirely new dyeing technique that adds another dimension to imparting colors to towels and other cotton textiles such as denims and twills.

The technique allows dyeing one side of a fabric one color and the other side an entirely different color. It even allows patterns as simple or as complicated as the designer makes them.

The new technique is a spinoff from wash-wear and durable-press finishes developed at the ARS Southern Regional Research Center here during past years.

The research team responsible for developing the new technique included chemists Robert J. Harper, Jr., Eugene J. Blanchard and Joseph S. Bruno, textile technician John J. Lofton, and physical science technician Gloria A. Gautreaux.

In making what they call a "restricted dye application," the researchers treat one side of the fabric with a modified wash-wear formulation then dye the fabric with a reactive cotton dye. The dye has no effect on the treated side but colors the untreated side.

Following the dyeing, the fabric is washed in an acid bath to hydrolyze and remove the "resister." The fabric, now free of chemicals and dyed on one side, is dyed again. Viola! a two-colored fabric.

The choice of colors used in separate dyeing steps necessarily must be made very carefully, but this poses little real difficulty. With the wide variety of choices, an almost unlimited combination of colors and shades is available.

Moreover, modifications of

the procedure, such as weaving treated with untreated yarns, and making designs on the fabric surface with the dye resisters, offer virtually unlimited combinations of colors and designs.

The dye-resisting chemical treatment is an inexpensive, modified wash-wear formulation. Those portions of the cotton fabric treated with the formulation are completely resistant to the activity of the reactive cotton dyed in the research.

Although the reactive dyes are used in the finishing industry, the research is now being turned to adapting the process for use with the vat dyes which are in more widespread use than the reactive dyes because they are less expensive and offer superior color and light fastness and crock resistance.

St. Phillips Holy Week Schedule

St. Philip's Episcopal Church will observe the following Holy Week schedule:

Morning prayer, 7:30 a.m. each weekday; Monday, Tuesday and Wednesday, Communion at 5:30 p.m.

Maundy Thursday, Communion and stripping of the altar, 5:30 p.m.; Good Friday, meditation, 2 p.m.; Easter Sunday, Communion, 8 a.m. and 11 a.m.

An Easter egg hunt will begin at 10 a.m. for children in 3rd grade and under. The event will be sponsored by the Episcopal Young Churchmen.



BANKING IS EVERYBODY'S BUSINESS

Flimflam And Bunco—Not Very Funny Games

Call it "flimflam" or "bunco," it's still a fraud or a swindle. While the names may sound like the latest TV-advertised parlor game, the player is actually a "con artist" or confidence man, and the victim is likely to be YOU.

The American Bankers Association (ABA) reports that the current economic situation has multiplied the number of con games in operation. Not only are crooks working harder to make a fast buck, consumers, it seems, are less cautious about withdrawing their savings at the suggestion of swindlers in hopes of beating inflation. And, with the likelihood of tax rebates this spring, the number and variety of swindles is not likely to diminish.

It's unfortunately true that senior citizens seem to be the biggest group of victims. In fact, it's been estimated that 90 per cent of the people taken in are over 70 years of age. Within this group, those approached most often are older ladies living alone. And yet, no one is immune.

How can you protect yourself? It helps to be aware of certain key words that usually tip off a con game. Be on guard, says the ABA, whenever you hear the words: "get rich quick," "something for nothing," "secret plan," or "this opportunity won't be here tomorrow."

Two common swindles involving bank savings are the Pigeon Drop and the Bank Ex-

aminer schemes. In the Pigeon Drop, two criminals obtain the confidence of a likely victim and claim they would like to share with him a large find of money. The victim is then asked to donate some "good faith money" to them while waiting for his share of the find. During the wait, of course, the criminals run off with the cash they have been given.

The Bank Examiner swindle

is put into operation by a person claiming to be a bank examiner who needs help in catching a dishonest teller. To cooperate with the examiner, the victim is asked to withdraw from his savings account a large amount of money. The con artist then promises to return the cash to the bank, but instead takes off with it.

Although the person posing as a bank examiner may sound very convincing, don't fall for that line. The ABA says under no circumstances will a bank examiner, FBI agent or other law enforcement official request a bank customer to withdraw cash from an account.

One final tip: while the variety of swindles is huge and only limited by the imagination of the con artist, all swindles have one thing in common — eventually the victim is asked for money. If you ever receive such a request, inform an officer of your bank and the local police department. Not only will you be helping yourself, you might prevent the loss of a neighbor's life savings.



When you think of prescriptions, think of VARNER'S. adv.

Bishop Borgen, Brevard Grad, Wins Honor

Greensboro — The episcopal leader of the United Methodist Church for the Northern Europe Area and a Greensboro educator and civic leader are this year's recipients of Distinguished Alumni Awards of Greensboro College.

Bishop Ole Edvard Borgen, 1959 honor graduate of the Methodist-related college, and Margaret Scarborough (Mrs. S. T.) Dickinson who retired in 1974 after teaching English in the Greensboro City Schools for 33 years, received the awards Saturday (March 22) at the annual Alumni Day luncheon at GC.

Bishop Borgen graduated from Brevard Junior College, then moved to Greensboro to complete his degree work.

Also honored at the luncheon was Dr. James E. Hull, chairman of the Department of Religion and Philosophy and interim chaplain, as recipient of the alumni association's second Distinguished Faculty Award.

Bishop Borgen, native of Norway who now has headquarters in Stockholm, Sweden, will give the 12th annual Jean Fortner Ward Lecture in GC's Odell Memorial Auditorium at 11:30 a.m. Tuesday, March 25.

The Great Smoky Mountains National Park is the most visited park in the United States. With more than 8,000,000 travelers a year, it registers 4,000,000 more visits than a second-ranked Yellowstone National Park.

North Carolina farmers produced an estimated 116.2 million bushels of corn in 1974 — a new record.



Introducing DALTON CARTER

Our New Manager Of Kentucky Fried Chicken Of Brevard!



Area Supervisor Bill Jones, left, and Assistant Manager Josephine Wilson, center, are pictured above extending a cordial welcome to Dalton Carter, right, the new manager of KFC of Brevard.

Mr. Carter comes to Brevard from Greenwood, S.C., bringing with him over 30 years of experience in the food preparation and restaurant business. He has been with Kentucky Fried Chicken for over four years in localities throughout South Carolina, and has attended KFC Management and Cooking School in Louisville, Ky. His wife, Jewel and children, Beth and Joe, will be moving to Brevard in the immediate future.

Come In And Meet Dalton Carter Today!

Be Sure To Ask About Our Catering Service For Large Parties

Our Dining Room Is Available For Meetings Or Special Parties On Request!

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