

Scientists Cause Mixup of Sexes

March of Dimes-supported scientists have found that if they dip an egg into the right kind of hormone solution, they can change the sex of the unhatched chick from what it started out to be.

This, of course, is of concern to a chick which is supposed to be a rooster and hatches out with most of the features of a hen, or vice versa.

The research also is of direct concern to people, because the scientists believe they are on the track of what may cause some human beings to be born with mixed-up sex characteristics.

A few cases of sex changes in people have become world famous. But according to Dr. Virginia Apgar, director of the birth defects division of the National Foundation-March of Dimes, "It is a more common and important problem than most people realize. More and more infants and children are being found who are somewhere between pure male and pure female sex."

Such "intersex" is a biologic contradiction and a major mystery. How does it come about? Perhaps if we had the explanation, doctors could devise ways to prevent it or treat it to straighten things out again.

That's why March of Dimes funds have been awarded to support investigations by Dr. Gregory Pincus, an internationally recognized authority on hormones and research director of the Worcester Foundation for Experimental Biology, Shrewsbury, Mass.

It is known that heredity factors can lead to sex abnormalities. But Dr. Pincus points out, "Obviously heredity isn't the whole story." Hormones are undoubtedly involved, too.

Scientists speculate that certain hormones or other substances in a pregnant mother's body may reach the cells of her unborn baby during the critical early days of growth and completely change the direction of the baby's sex development.

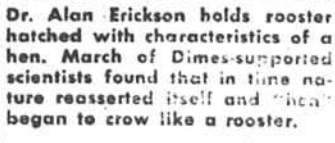
Though their project is still in its early stages, Dr. Pincus and his associate, Dr. Alan Erickson, have found that this theory holds water.

If an egg containing a four-day-old chick embryo is dipped for just ten seconds into a solution containing a female sex hormone, a budding rooster can be "feminized."

If such birds are allowed to hatch and mature without any



Dr. Gregory Pincus holds tray of eggs before dipping them into solution containing a female sex hormone which will "feminize" an embryonic rooster. He is a March of Dimes researcher.



Dr. Alan Erickson holds rooster hatched with characteristics of a hen. March of Dimes-supported scientists found that in this nature reasserted itself and "he" began to crow like a rooster.

Further hormone treatment, most of them eventually revert to the maleness that nature had intended for them. They grow combs and wattles and crow like any self-respecting rooster. Internally, too, matters are corrected and organs usually appear to be normal.

But once in a while there's an exception. The bird doesn't revert to male, but stays somewhere in-between. As a potential rooster, the bird is sterile. As a potential hen, it does not lay eggs.

When they came to trying the reverse egg-dipping experiment, changing the sex of a female chick to male, the Worcester Foundation researchers ran into a baffling obstacle.

The obvious procedure — dipping the eggs into a solution of male hormone — didn't work.

So they checked a variety of other hormones. When they finally found a hormone that did the trick, it went against all textbook expectations.

For the hormone that "masculinized" female chick embryos was progesterone. This isn't a male sex hormone by a long shot. In fact, it is mostly connected with female ovaries and its primary function is to keep things going smoothly during the course of pregnancy.

Just why a "pregnancy hormone" should have such drastic effect on the sex of a female chick is another puzzling element in the birth development riddle that Dr. Pincus and his colleagues are trying to decipher.

Their long-range study, they believe, will help explain some of the mysteries surrounding the earliest stages of human development. Their results have already pinned down one important point beyond contention: heredity is by no means the only factor that determines sex. Whatever comes in contact with embryonic cells may alter them, or even destroy them.

"Certainly the possible influence of hormones needs further investigation," Dr. Apgar states. "We already know, for instance, that excessive hormone treatment of a pregnant woman sometimes 'feminizes' her baby if it is a male, producing changes parallel to those observed by Dr. Pincus in his experiments."

Salem spent several days last week with his grandmother, Mrs. Alma Webster.

Miss Frances Isles of Littleton and Misses Sandra and Teresa Hopewell of Murfreesboro spent several days last week with their grandparents, Mr. and Mrs. H. E. Isles.

Mr. and Mrs. Sam Howell and Mr. and Mrs. Willford Isles spent several days last week at White Lake.

Robert Riggan of New York arrived on Thursday for a visit with relatives.

Mr. and Mrs. Willie Wagner and Mr. and Mrs. Clyde Wagner spent the weekend at Nags Head.

Mr. and Mrs. Raymond Harris and son, Phil, visited Mr. and Mrs. I. G. Best in Florence, S. C., on Sunday and visited Mr. and Mrs. Lemuel C. Cooke in Charlotte for several days.

Miss Margaret Jenkins of Greensboro spent last week with her parents, Mr. and Mrs. Raymond Jenkins.

Mrs. Raymond Harris attended the Peckham Harris wedding at Arcola on Saturday.

Sgt. William F. Walker returned to Kessler Air Force Base, Biloxi, Miss., last week after spending sometime here with his parents, Mr. and Mrs. Tommy Walker.

W. E. Shearin has returned to his home in Portsmouth, Va., after spending sometime here with Mrs. Lawrence Morris and other relatives.

Research has brought about changes in shrimp fishing regulations which have increased income of North Carolina shrimp fishermen by at least four million dollars in the past eight year.

DIAL 303-1 FOR A RECORD WANT AD

Lost And Found

STRAYED from my home about week ago, one white-faced heifer, weighing about 300 lbs. Anyone knowing whereabouts of animal is asked to contact B. W. Curran, Warrenton. je29-4tc

Help Wanted Male

YOU CAN make more as a Raleigh Dealer than at most anything else and it's steady year around. Established business available in Southwest Warren County. Write Raleigh Dept. NCG-863, Richmond, Va. je6-4tpd

Help Wanted Female

WANTED — Salesladies for Saturdays or part time work. Apply Diamond's Discount Store, Warrenton, N. C. je29-4tc

Wanted

WANTED — HOUSES AND Apartments for rent in Warren County. Contact Selby Benton at Benton Furniture Co., phone 406-6. tfe

WANTED — Poplar logs and blocks 69" long. Goblet Veneers, Inc., Whitakers, N. C. m19-4tc

Business Opportunities

BUSINESS OPPORTUNITY — Reliable man or woman from this area to distribute complete line of cigarettes, confections, etc., through new automatic dispensers. We establish acceptable initial locations. Car and references desirable. Party must have cash capital of \$900. Good potential earnings part-time; full-time more. For personal interview, give phone, etc. Write P.O. Box 158, Rochester, Minn. 1tpd

Allen L. King Warren Record Office WARRENTON, N. C. 303-1 PHONE 496-6

MAN OVER 21 to sell and service established customers with Nationally Advertised Watkins Products. Profits in excess of \$100 weekly. If interested write to P. O. Box 1092, Goldsboro, North Carolina. je6-3tc

For Sale

FOR SALE—Fresh vegetables, stringbeans, squash, beets, butterbeans. Corn and tomatoes in a few days. Call 751-1, Mrs. W. R. Hedgepeth. je29-2tc

FOR SALE — Used Maytag washer, in excellent condition. Warrenton Furniture Exchange. je6-2tc

"THE Way We Were", new book by Mary Polk on sale Saturday at Polk-A-Dot Gift Shop, Warrenton, N. C. Telephone 946-1. \$3.75 or \$4.00 by mail Postpaid. je29-4tc

CRICKETS and Red Lighter. For Sale. Interstate Service Station, Warrenton. j15-4tc

WE GLADLY LOAN a Blue Lustre Carpet Shampooer Free with purchase of Blue Lustre Shampoo. Warrenton Furniture Exchange. 1tc

WARREN F.C.X. SERVICE GALVANIZED ROOFING \$8.95 Per Sq. WARRENTON - f3-4tc

FOR SALE — New and used chain saws. New Saws \$89.50 up. Dealer for Titan, Mono, Clinton and Stihl Saws. Hannon's Lawn Mower Shop, Henderson, N. C. Dial GE 8-5717. o13-4tc

FOR SALE — 75,000 Gold Rush and Porto Rico sweet potato plants. Also all grades of tomato plants. N. I. Haithcock, Warrenton, N. C. m25-4tc

Refrigerators USED

Nice selection of used refrigerators and electric ranges — Only \$10.00 down and \$10.00 a month. See them now at Radio TV Center. ap13-16tc

HAY FOR SALE — T. R. Paynter, Rt. 2, Warrenton, Tel. 733-2. m18-4tc

FOR SALE — Two Guernsey cows, fresh. Lawrence Overby, Rt. 1, Warrenton. je29-2tp

TO ALL Music Pupils — Buy your piano now with a small down payment. Ask for our special Summer discount. This applies to churches also. Liberal trade-ins. Warrenton Furniture Exchange. je22-4tc

LEGAL NOTICES

NOTICE North Carolina Warren County The undersigned, having qualified as administratrix c. t. a. of the estate of Estra D. Davis, deceased, late of Warren County, North Carolina, this is to notify all persons having claims against said estate to present them to the undersigned or their attorney, on or before the 29th day of December, 1962, or this notice will be pleaded in bar of their recovery. All persons indebted to said estate will please make immediate payment to the undersigned or their attorney. This the 29th day of June, 1962.

MRS. NORA D. FELTS Route 2 Norlina, N. C. MRS. CHRISTINE D. Carroll Route 1 Warrenton, N. C. CHARLES M. WHITE, III Attorney Warrenton, N. C. je29-4tc

BOND ORDER AUTHORIZING THE ISSUANCE OF \$400,000 SCHOOL BONDS OF THE COUNTY OF WARREN.

WHEREAS, the County Board of Education has determined that existing school plant facilities in the Warren County School Administrative Unit are not adequate for the maintenance of public schools for the nine months school term prescribed by law, and has requested the Board of Commissioners to provide the sum of \$400,000 to finance additional school plant facilities such as are described in Section 1 of the Bond Order and which said County Board of Education has determined are necessary to enable the County of Warren, as an administrative agency of the public school system of the State of

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North Carolina, to maintain public schools in the Warren County School Administrative Unit for the nine months' school term prescribed by law; NOW, THEREFORE, BE IT ORDERED by the Board of Commissioners of the County of Warren as follows:

Section 1. The Board of Commissioners of the County of Warren has ascertained and hereby determines that it is necessary to erect in the Warren County School Administrative Unit several new buildings to be used as school houses, school garages, physical educational and vocational education buildings, teacherages and lunchrooms and other school plant facilities, and to reconstruct and enlarge, by the erection of additions, several existing buildings located in such units and used for such purposes, and to acquire land, furnishings and equipment necessary therefor, and a tax therefor, and the words "Against the bond order authorizing \$400,000 bonds to finance the cost of constructing, reconstructing and enlarging, in the Warren County School Administrative Unit, several buildings to be used as schoolhouses, school garages, physical education and vocational education buildings, teacherages and lunchrooms, and other school plant facilities and of reconstructing and enlarging, by the erection of additions, several existing buildings located in such units and used for such purposes, and of acquiring the land, furnishings and equipment necessary therefor, and a tax therefor," with squares opposite the affirmative and negative forms in one of which squares the voter may make a mark (X) to indicate his choice.

In the event that a majority of the qualified voters shall vote to approve the incurring of such indebtedness and the levy of such tax, said bonds shall be issued and a tax shall be levied for the payment of such bonds.

The polls for the election will open at the hour of 8:30 o'clock, A.M., and will close at the hour of 6:30 o'clock, P.M., Eastern Standard Time. The election will be held at the same polling places at which the last election was held in Warren County for the election of members of the General Assembly with the exception of the following changes which have been ordered by the Board of Commissioners:

In River Precinct, the polling place will be at Norman Best's Service Station on U. S. Highway No. 158;

In Sandy Creek Precinct, the polling place will be at Ayscue's Store on Henderson-Vicksboro Road;

In Judkins Precinct, the polling place will be at Jesse Harris' Old Store on the south side of U. S. Highway No. 158 in Vaughan.

The registration books shall be open for the registration of voters at 8:00 o'clock, A.M., on Saturday, July 14, 1962, and shall be closed at sunset on Saturday, July 28, 1962, on each day (Sundays excepted).

FOR SALE

Reconditioned Refrigerators LIKE NEW \$10.00 Down \$10.00 Month Warrenton Furniture Exc.

A. R. PERRY'S GLASS CO.

Automobile Glass, Curved Windshields, Mirrors, Table Tops And Store Fronts Call Us For Your Requirements PHONE GE 8-4313

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Painting and REPAIR WORK NEEDS Call EDDIE G. HAMM, JR. Tel. 510-8 Rt. 2, Warrenton

during such period, the Registrar for each election precinct in the County will keep his book open between the hours of 9:00 o'clock, A. M., and sunset for the registration of voters in such election precinct. On each Saturday during such period each Registrar will attend at the polling place in his election precinct between the hours of 9:00 o'clock, A.M., and sunset for the registration of voters.

By order of the Board of Commissioners of the County of Warren. Dated, July 2, 1962. S. E. ALLEN, Clerk of the Board of Commissioners of Warren County, North Carolina. je6-3tc

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Sale Of Real Estate For Taxes As required by the General Statutes of the State of North Carolina, the Board of Town Commissioners of the Town of Warrenton have ordered tax liens of the following described property sold at the door of the Town Hall at 12 o'clock Noon on Monday, July 9, 1962. Liens are for delinquent 1961 taxes in the amounts listed plus four percent penalty (July) and a cost of one dollar per sale:

SKY-HIGH USED CAR VALUES at... **DOWN-TO-EARTH PRICES** BUY NOW AND SAVE! MOTOR SALES CO., INC. HENDERSON, N. C.

Free WITH EVERY HOMELITE "SUPER WIZ" CHAIN SAW

FOR SALE Reconditioned Refrigerators LIKE NEW \$10.00 Down \$10.00 Month Warrenton Furniture Exc.

Table listing real estate tax liens with columns for name, address, and amount.