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- K.B. DeOme, Howard A. Bern, William E. Berg, and Lillian E. Pissott. Radiophosphorus Uptake by Normal, Hyperplastic, and Tumorous Mammary Tissues of Mice. Good, sunned, reprinted from Proceedings of the Society for Experimental Biology and Medicine. 1956, v92, 55-58, Name in Stamp: Robert H. Foote and K.B. DeOme is underlined. \$65.00





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- 4. Daturaferox Caused by Tetranychus Telarius. Good, sunned, reprint from Genetica XII, 1930, The Hague, Martinus Nijhoff, with two stamps: red: 3940 and Lester W. Sharp, in Pencil: K 181. \$45.00
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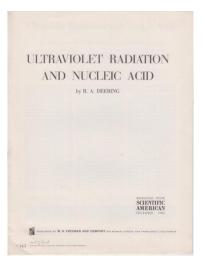
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- '. in the Fowl by Homeoplastic Hypophyseal Implants. I. The Male. Good, sunned, reprinted from the Proceedings of the Society for Experimental Biology and Medicine, 1931, xxix, pp. 305-309, Stamp: Presented by E.N. Harvey to the Zoology Department Library, University of North Carolina. \$45.00

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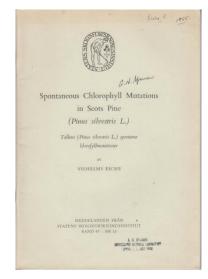


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 13, 1956, Number 2, slight folded top left corner. \$50.00

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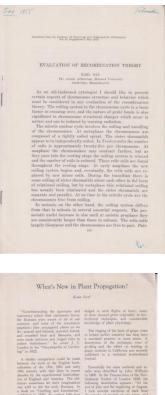
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Backcrossing of hexaploids with G. birtutum has given rise to
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A continuation of the BULLETIN OF POPULAR INFORMATION of the Arnold Arboretum, Harvard University
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PASTE THE POISON IVY
A conditions, but it is even more difficult when the ivy is growing among orna-
mental vines or ground cover plants, in bedges, or elimbing up small trees and
without killing the ornamental plants. For most people the destruction of poison
iry by pulling it out of the ground is a hazardous operation. I tried this method
about twenty years ago. The plants were dormant; I wore leather gloves and washed my hands thoroarddy with strong laundry some after the job was done.
but I was so builty infected about the face that I could hardly open my eyes for
nearly a week. It is also difficult to pull out all of the roots, especially if they
remaining roots will often send up new shoots.
Puisson ivy can be killed with the non-selective herbicides, such as ammonium
be sprayed with any of these weed killers, but all or most of the nearby plants
will also be killed. The non-selective weed killers can be painted on the stems and an larger since as the day constals can be put in fulls out in the base of the
trunk, but there is still some danger of killing adjacent plants. The fumes from
7.4-D are even more hazardoos to neighboring ornamental and vrop plants. About five years are my wife, who is on the grounds committee of the Friends.
of the Peter Bent Brigham Hospital, asked me how she could get rid of a large
poison ivy vine growing on the wall of one of the buildings, which was covered
with Boston icy. The poises icy plant could not be approved without killing the
with Boston ivy. The poison ivy plant could not be sprayed without killing the Boston ivy, and it was too large to be pulled out by the roots. We needed a weed
with Boston ivy. The poisson ivy plant could not be approved without killing the Boston ivy, and it was too large to be pulled out by the roots. We needed a weed killer which would be effective obern applied to the stem of the vine, but one which would not injust the adiasent aurometric times.
with Basican icy. The points icy plant could not be apared without killing the Boston icy, and it was too large to be pulled out by the mosts. We needed a word- killer which would not injere the adjacent ornamental vines. We first tried anistance of e.j. Do a handin emution. The material was tested
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W. S. Flory

- 16. Karl Sax. Quantitative Inheritance in Phaseolus. Good, 3 copies, one is very sunned and torn on bottom edge, all are sunned, reprinted from Journal of Agricultural Research, Vol. 33, No. 4 : Washington, D. D., August 15, 1926, very sunned one has a stamp: J. T. Baldwin, Jr., two have in Pencil: Sax, O White, Yenehir, Sax underlined on one, and stamps on two: Orland E. White and one has a stamp: The Blandy Experimental Farm, University of Virginia, Boyce, VA. \$50.00
- 17. Karl Sax. Evaluation of Recombination Theory. Good, sunned, reprinted from the Journal of Cellular and Comparative Physiology, Vol. 45, Supplement 2, May 1955, Name in Ink: Sax (underlined), 1955, Schrader, Rec. \$50.00

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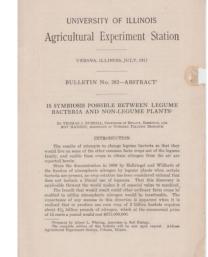
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Between Legume Bacteria and Non-Legume Plants?
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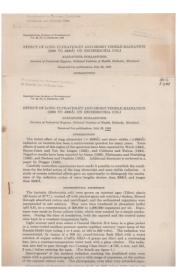
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- 25. Relationship Between Type Ratings of Ayrshire Females as Young Heifers and as Cows. Good, sunned, reprinted form Journal of Dairy Science, April, 1949, Vol. XXXII, No. 4, pages 375-380, Stamp: Robert H. Foote. \$40.00

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Alexander Hollaender. Effect of Long Ultraviolet and Short Visible Radiation (3500 To 4900A) on Escherichia Coli. Good, sunned, reprinted from Journal of Bacteriology, Vol. 46, No. 6, December, 1943 (which is underlined on 1 copy), Stamp: Purchased by National Institute of Health for Official Use, on both copies and in Ink: Haitz 5908, Second copy has another stamp: Karl Sax, Biological Lab., Cambridge, Mass., and name in Pencil: Hollaender, Alexander '43. \$40.00







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 Southernmost Drosophilidae. Good, sunned, Letters to the Editors, Vol. XCI, No. 857, March-April, 1957, Stamp: Hampton L Carson, Red Pencil: 123 and partial name underlined. \$40.00

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32. Minoru Shimotsuma. Cytogenetical Studies in the Genus Citrullus, IV. Intra- and Interspecific Hybrids between C. Colocynthis Schrad. And C. vulgaris Schrad. Good, reprinted from the Japanese Journal of Genetics, Vol. 35, No. 10:303-312, October 1960, authors last name underlined: Shimotsuma and stamp: With the Author's Compliments. \$60.00

Martinus Nijhoff's-Gravenhage. Genetics. Good, Dutch magazine for Genetics and Genetics, Part 36, 1965-1966, off. 1. \$60.00







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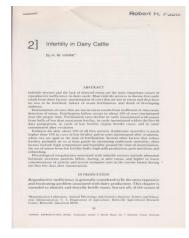
- 37. H.W. Hawk. Gamete Transport in the Superovulated Cow.
- Good, U.S. Dept. of Agriculture, Agricultural Research Service, Reproduction Laboratory, Animal Science Institute, Beltsville Agricultural Research Center, Beltsville, MD 20705, Stamp: Robert H. Foote, January 1988, Vol. 29, No. 1. \$35.00

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Fertilization Rates in Superovulating Cows after Deposition of Semen on the Infundibulum, near the Uterotubal Junction or after Insemination with High Numbers of Sperm. Good, Reproduction Laboratory, Animal Science Institute Agricultural Research Service, USDA, Highlighting. May 1988 Vol. 29, No. 5. \$30.00

 H.W. Hawk. The Influx of Leukocytes and Presence of Bactericidal Substances in Inoculated Uteri of Estrous and Pseudopregnant Rabbits. Good, reprinted from Journal of Animal Science, Vol. 17, No. 2, May, 1958, 3 stamps: Robert H. Foote, Purchased by U.S. Dept. of Agriculture for Office & Dairy Cattle Research Branch, AHRD, ARS, Agricultural Research Center, Beltsville, Maryland, Writing in red ink and highlighting. \$30.00

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GAMETE TRANSPOR	H. M. Hawk			
U.S. Department of Agricu Reproduction Laborat Beltsville Agr Belts	ture, Agricu tory, Animal	ltural Research Science Institu	Service.	
	ABSTRACT			
Bounder efficiency of any finite from fortilization rates of the second	m transport , which gone gle-envelatin cattle have imal number of sither rough an e in the com- also actl , season of which the su and timing sominate. wrtilization bors of spen bove 905. may be medi-	in superoval- ally average al g cattle. Alsy i no accessory cove or bu ffect on survel of the year. Inter perovulation to of art1 for fits of art1 for fits rate markedly m is fresh un the apparent is ated through ch	ted come can boot 55%, or a parm in the st The site at The site wal of spor- tors that at erm survival erm survival erm survival erm fiste inseminations, of 55H to to in some instan of 10ated semen hibitism of anged pattern	n be about ized zona of the n or rfect or rfect or ring, rgun, has and whice tces, has for tress, tces, tress, tces, tc
Ova seem to pass through th in single-ovulating cows. The more in some cases, but the pr ovam transport is not known, survival of embryos has not been	e oviducts f ate of pass sportion of and the con ascortained.	faster in super- ope may be shor superovulated o sequences of r	evulated cows tened by a do news with has apid transpor	than ay or tened t on
	INTRODUCTION			
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Acknowledgment: The author than	is Linda Neur	nhahn for typir	g the manuscr	ipt.
JANUARY 1988 VOL. 29	NO. 1			125
PERTILIZATION RATES IN SUPEROVUL ON THE INFUNDIBULUM, NEAR THE UTEL WITH HIGH N	ATTING CONS A BOTUBAL JUNCT UMBERS OF SPI	TER DEPOSITION TON OR AFTER IN ERM	SEMINATION	
H.W. Hawk, ¹ H.H. Conley, ¹	R.J. Wall 1	and R.O. White	ter ²	
¹ Reproduction Laborator Agricultural Res Beltsvil 2 En Tran, Inc., E	r, Animal Sci search Servic le, MD 20705	e, USDA		
2 En Tran, Inc., E Received for publication Accepted	izabethtown,	PA 17022		
A Three experients were condu- dairy case is attempts to impre- supervolated with folliciestime takes printing the service of the (toperiment 1) or mer the effect passed through the cervix and uter experient, high numbers of spar- terns. Case were nercogolied and 3.5 a after the beginning of estim- Description of 0.5 all of for	cted with D w the ferti ating hormon Fge (PGFge) sarescope in abal junctio ine borns (E h in fresh s i ova were re st.	05 superovulati 11zation rate. a (FSN) and tim . Semen was d serted through fles speriment 2). mens were deposed scovered and exc	ng Holstein Cows ware e of estrus eposited on the flank ible tubing in the third ited in the mined about	
(Experiment 1) reduced both own r inseminated on the infundibulus, o were recovered and 56 of these i control cosk, own representing 80 62% of these were fertilized, supernvulating cosk (Experiment 2) was deposited either near the uten The overall fertilization rate w vita of expense deposition or twoe	recovery and via represent recovered ovia is of evulation in a 2 i, 1 m) of di rotubal junct us 61%, with f semen used	fertilization. ing 43% of ovel. a were fertiliz n points were in X 2 experime luted fresh or ion or in the u n no significan.	In ten cows ation points ed. In ten ecovered and nt with 36 frozen semen terine body. t effect of	
In Experiment 3, 2 or 3 ml sperm) was deposited in the atem (933) were fertilized. In 55 com of frozen diluted second (swrtage ova were fertilized (335, Fe0.00 fresh sperm evercame problems: improved the fertilization rate.	of next sen us of 12 cos of 70 millio 1). Insemin of sperm lot	en (average of ws: 183 of 197 eminated with 0 n sperm). SOZ o ation with high is or sperm to	4.4 billion intact ova .5 to 1.5 ml f 947 intact numbers of ransport and	
Key words: superovulation, incom fertilization rate.	ination metho	d, sperm number	\$1	
Actnowledgments We thank Atlastic Breeders C frozem semme: Eastern Artificial for supplying frozen and fresh se manuscript.	poperative, l Incominatio men; and Lin	ancaster, PA, f n Cooperative, da Neuenhahn fo	or supplying Ithaca, NY, r typing the	
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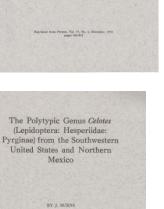




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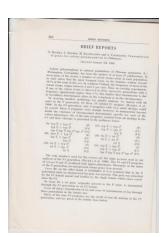




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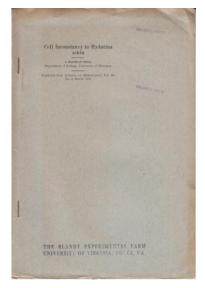






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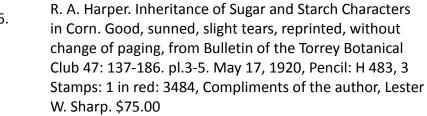
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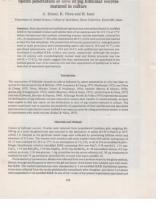
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A. Iritani, K. Niwa and H. Imai. Sperm penetration in vitro of pig follicular oocytes matured in culture. Good, sunned, J. Reprod. Fert. (1978) 54, 379-383, fold in right top corner with stamp: Robert H. Foote, the name pig is circled in red on title, also in red is Sw 11.0. \$35.00

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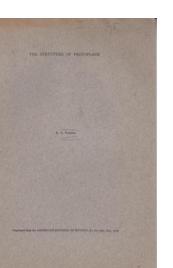




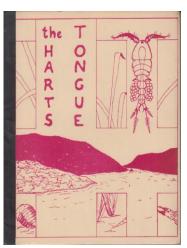
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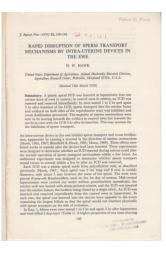




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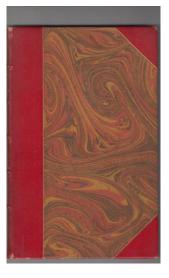


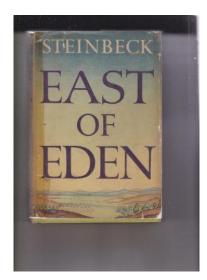
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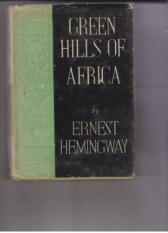


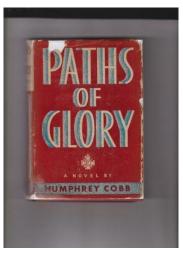


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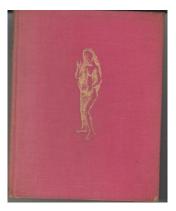
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