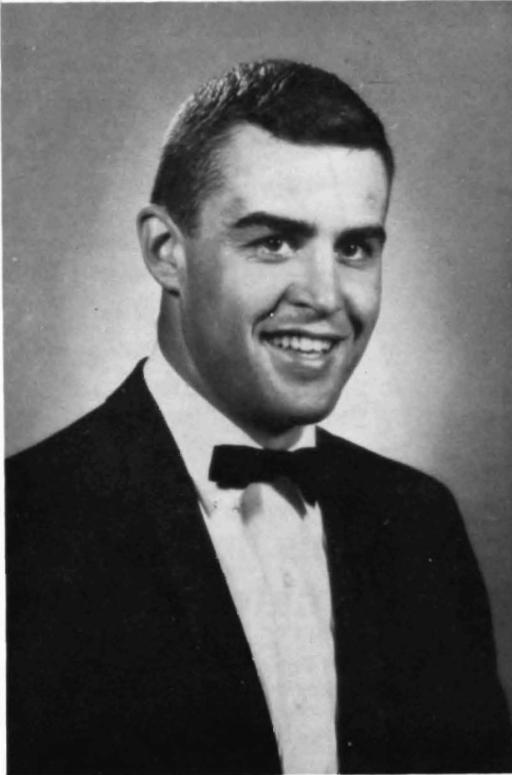
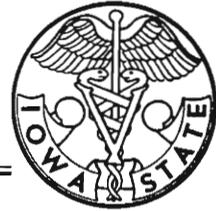

STUDENT NEWS



James Grover

The Iowa State University Veterinarian is proud to recognize an outstanding Veterinary student, Jim Grover. Jim is a married student, 24 years old and a native of Cresco, Iowa. In high school, Jim was on the wrestling team which received the honor of being Class B State Champions in 1958. Jim has continued his wrestling endeavors since coming to college and has been a member of the Iowa State wrestling team for three years. Last year the team ranked second in the national tournament and third in the Big Eight Conference with a 13 and 1 record. To date this year, the wrestling team

ranks first in the nation. Jim's personal achievements include being ranked third in Big Eight competition for two years.

Outside of athletics, Jim is a member of Alpha Gamma Rho social fraternity and the Varsity I club. In his junior year, Jim was the veterinary representative for the Government of the Student Body, and this year has served as the senior class representative.

Veishea Open Houses

Pre-Vet

The theme of this year's display is "Blue Jeans to White Shirt and Tie" as we try to depict the transformation of a bewildered freshman to a man of the professions, a veterinarian. The first part of the display is devoted to the first two years of study. The various courses available to the pre-vet are presented as a basis for further professional work. There also appears a summary of the work of the Pre-Vet Club itself in order to emphasize it as a part of the solid background necessary.

The second section of the display is devoted to veterinary school itself. Here the various courses are shown and accompanied by pictures depicting the students at work.

Finally, we try to present the public with a summary of the various fields available to the licensed veterinarian. In this way we hope to further acquaint the visitors with the contributions that persons in the field make to the individuals as well as the community.

Freshman

Veterinary Anatomy will present for Veishea Open House '64 "The Blood-Vascular System". The display will deal with the embryology, histology, and gross anatomy of the blood-vascular system of the domestic animals.

During the student guided tour, the visitor will become familiar with one of the more important aspects of the blood-vascular system, the development of the blood itself. The visitor will actually see the newly formed blood being circulated in the yet unborn chick. Along with this, he will see how the nutrition is supplied from the mother to the fetus, via the blood.

Other important aspects, such as the passage of nutrients from the digestive tract to the blood for distribution, gross circulation, and selected body organs intimately concerned with the blood-vascular system will be emphasized.

The visitor will finish his tour by viewing the heart itself, with a comparison of hearts of different animals.

The visitor will have ample opportunity to ask questions, either about the display itself or what the future has to offer the the graduating veterinarian by making use of the booths erected for this purpose.

Sophomore

This year the theme of the sophomore class open house is "Dimensions of Veterinary Medicine."

It will show how veterinary medicine had its beginning centuries before today at times when superstition, more often than fact, was the rule. Early recordings tell us of how some men have always wanted to do something about animal health.

Also illustrated will be how the work of the veterinarian in the U.S. and here in the midwest has changed. Old instruments from 60 years ago, showing what a practicing veterinarian had to use then, will be on display. There will also be some displays of the methods and techniques used then.

The guiding force behind the growth

and development of the veterinary profession has been progress in education. Some pictures of old facilities and techniques will be presented to show the contrast between early education and education today. Also illustrated will be how the requirements and courses have changed as more knowledge gave material to be added to the curriculum.

For the prospective student, we will also have some of today's equipment and material showing what we learn and the wide variety of possible things a veterinarian can do after he graduates from school.

The general theme of Veishea is "Education-Inspiration of Our Nation", Truly the development and growth of the veterinary profession, by education, forging ahead with better methods, materials, ideas and more knowledge, has been an inspiration to our nation.

Class of '64

Dave Helland became engaged to Ruby Muse of East Moline, Illinois over the Christmas holidays.

Class of '65

Rod Madsen married Ann Niehaus on November 24. Ann is a Home Economics Journalism major and a member of Kappa Alpha Theta.

George Metzger became engaged to Mary Garner, E. & S. 4, on Dec. 25.

Mr. and Mrs. George Stott are the parents of a son, Michael, born Nov. 12, 1963.

Class of '66

Pamela Smith of Des Moines, Iowa, became the bride of Ben Gavin on November 23.

Bob Kraai and Kay Wiegand recently announced their engagement. Kay's home town is Storm Lake, Iowa.

Gary Kluever became engaged to Sherry Knop. Sherry is a student nurse at Iowa Methodist Hospital in Des Moines.

Bob Wise became engaged to Trudy Pettis of Evanston, Ill. during the month of November.

Class of '67

A daughter, Ellen Marie, was born to Mr. and Mrs. Richard Thompson on October 31.

Mr. and Mrs. Dwanye Dewall are the parents of a boy, Randall James, born November 20.

Karen Cramlet became the bride of Ronald Fessler on Oct. 26.

Pete DeBaecke became engaged to Rosalie Wingendar of Philadelphia, Penn., on Dec. 24.

John Jinkins became engaged to Donna Allen. Both John and Donna are from Livingston, Wisconsin.

Sondi Baker, T. JI., and Art Lage recently announced their engagement. Sondi's home town is Grinnell, Iowa.



A Reminder

Many words in our daily life are pronounced incorrectly. As veterinarians there is one word of which we should all be cognizant. This word is *vet-er-i-nar-i-an*. It is surprising how many veterinarians, veterinary students, and even faculty members pronounce this word incorrectly, by omitting the *er* syllable. This is also true in the pronunciation of the word *veterinary*.

We all have a profession to be proud of so let's make an effort to articulate correctly.

The emerging countries of the world must be able to call on the services of a well-trained veterinary profession in order to spur their future growth and development, according to Professor Irl D. Wilson of Virginia Polytechnic Institute.

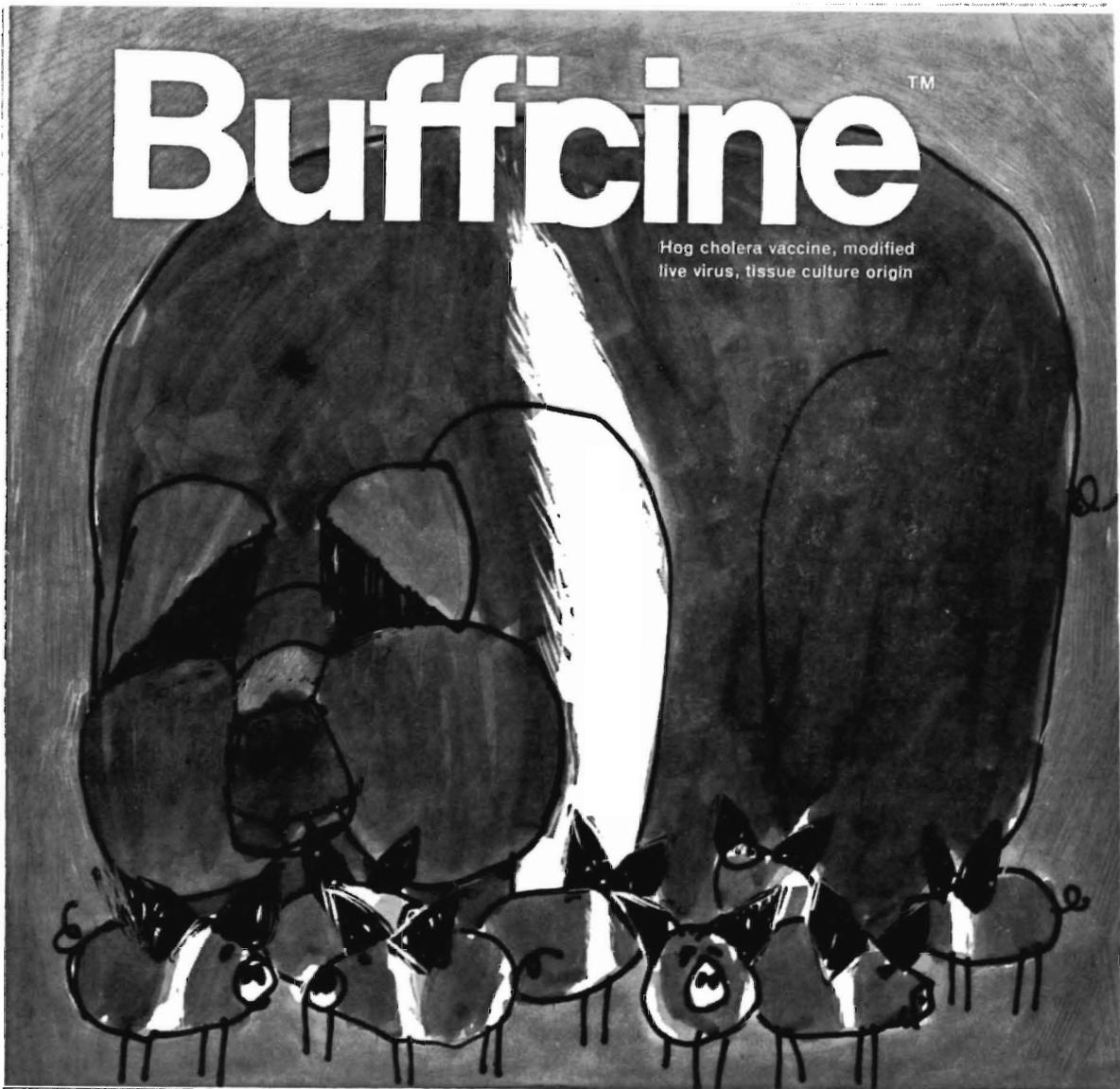
"Without a well-trained veterinary profession, the livestock population of a country can only remain static and unprofitable," Wilson said in an article appearing in the December issue of the *Bulletin* of the American Institute of Biological Sciences. "Men trained in veterinary medicine and animal husbandry are essential to a profitable agriculture."

Wilson pointed out that qualified veterinarians can be of great help in advancing the public health programs of these countries.

"The people of the emerging countries are sick people," he pointed out. "They suffer from malnutrition, parasitic infestations of all kinds, and all the diseases known to man. Sanitation and immunization will go far towards helping these people to help themselves. The veterinarians come in contact with the rural people and have their confidence, and they can give much useful advice in matters of sanitation, immunization, and preventive medicine."

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Hog cholera vaccine, modified
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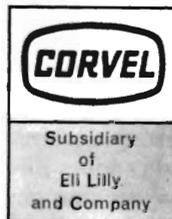


**Bufficine
overrides
both
serum block
and
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immunity**

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This is Bufficine: A new tissue culture hog cholera vaccine of remarkable potency and safety. Field doses administered to swine at intervals up to 6 days after massive serum doses protected pigs against lethal challenge. Duplicate tests with pig litters showed that maternal immunity did not interfere with the efficacy of Bufficine and serum administered simultaneously to pigs 3, 5 and 6 weeks old.

Bufficine immunizes against hog cholera as early as 3 days following administration. And in a field test of hogs from 23 different Midwest farms, Bufficine achieved 99% immune response.



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AVMA Research Scholarships

The AVMA Council on Research, meeting in Chicago, October 7-8, has inaugurated a special program designed to provide research scholarships to undergraduate veterinary students.

The main objective of this project is to encourage gifted students to enter veterinary research at an early stage in their professional careers.

Funds for the program will be made available through the AVMA Fellowship Fund, the Council said. A \$600 stipend will be awarded to qualified students for a summer's work. In addition, up to \$200 may be allotted for the purchase of supplies and equipment if justified in the student's application. The Council proposed that undergraduate research be conducted during that time of the year when school is not in session.

Faculty members wishing to recommend students for participation in the program should contact Dr. L. Meyer Jones, the AVMA's Director of Scientific Activities.

The Council also called for continued AVMA participation in the National Science Fair and the National Science Exposition movements.

In discussing the merits of AVMA participation, the Council noted that continued cooperation of organized veterinary medicine in the science fair movement will help greatly to acquaint qualified students with the activities of the profession.

The Council also indicated that it has been invited to submit recommendations to the U.S. Department of Agriculture during the public session of the Department's Advisory Committee on Animal and Animal Products Research in February, 1964. These recommendations will be considered in the formulation of the Department's future program of research, the Council noted.

Enzyme For Slipped Disc

Dr. Lyman Smith, an orthopedic surgeon from Elgin, Ill., recently made medical history by applying an enzyme injection method to patients in an effort to dissolve slipped discs.

The Jan. 17, 1964, issue of the *Chicago Daily News* noted Dr. Smith's achievement, and paid tribute to veterinary medicine's contribution to the development of this revolutionary treatment.

Arthur J. Snider, one of the most prominent science writers in the United States, pointed to the cooperative efforts of Dr. Smith and Dr. Edward C. Saunders, a small animal practitioner from Elgin, in perfecting the enzyme technique through experiments with rabbits and paraplegic dogs.

"Encouragement derived from animal research led Dr. Smith to apply the injection methods to human methods," Snider wrote.

In his feature article Snider emphasized that experimentation on animals continually leads to major improvements in methods of advancing human health and animal health alike.

"Once again man has benefitted from research on dogs but it is interesting to note that dogdom itself is benefitting from the same research," Snider wrote.

"This is not an isolated incident," he pointed out. "The practice of veterinary medicine abounds with innovations first worked out on the animal in the experimental laboratory, then transferred to the human clinic where it is brought to the peak of development through better equipment and statistical and analysis."

"All of the new knowledge is fed back into the animal hospital for treatment of ailing dogs and cats," he observed.