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THE AGRICULTURAL EXPERIMENT STATION
INSTITUTE OF AGRICULTURE
AND NATURAL RESOURCES
UNIVERSITY OF NEBRASKA-LINCOLN
H. W. OTTOSON, DIRECTOR

Agricultural Experiment Station NEWS

Vol. 13, No. 2, August 1979

FROM THE DIRECTOR'S DESK

Update on Patents in the University

You have been aware of the discussions which have been taking place during the past year concerning patents in the University. Dr. Steven Sample, Vice President of Academic Affairs, has been working with a University Committee and Mr. Vincent Carney, a Lincoln patent attorney, toward the preparation of a Handbook of University Patent Procedures. Vice Chancellor Massengale asked me to represent IANR on this committee. An IANR ad hoc Advisory Committee on Patents and Copyrights, chaired by Dr. Will Schutz, was appointed by Vice Chancellor Massengale in 1978; this committee reviewed early drafts of the handbook and made a number of suggestions.

The University committee completed the Handbook in April. At the May meeting of the Board of Regents three policies taken from the Handbook were approved to better implement the Patent policy outlined in Section 3.10 of the Bylaws of the Board of Regents. These policies (1) establish an office of Patent Administrator for the University; (2) call for a division of royalties from patents on the basis of one third to the inventor, the patent administrator, and the department or other appropriate unit, respectively; (3) establish procedures for the accepting or rejecting offers of inventions by the Board of Regents under section 3.10 of the Bylaws.

Dr. Trani has been designated by Vice President Sample as University Patent Administrator. The Handbook will be reproduced and distributed to all departments and similar administrative units. It will answer most questions which one might have on patenting procedures. Vice Chancellor Massengale has asked me to serve as patent officer for the Institute. As such I will be the contact point in the Institute for patent matters, and will maintain close liaison with the University patent administrator.

I believe that all of the above reflects a positive attitude in the University including administrative and Regental levels to patents; the new procedures will speed up the patenting process, and eliminate some of the frustrations we have all had in the past with the old procedures. Establishing a patent administrator fixes responsibility for making the system work, and enables the development of competence to handle the many technical details which characterize the patent process.

Incidentally the Institute staff has been relatively active in submitting patent proposals; seven of the twelve active patent applications now being handled by the Patent Administrator's office originated in the Institute.

Patent proposals should be submitted through the usual administrative channels, namely unit administrators, the appropriate Division, and the Vice Chancellor's office.

If you have any questions about the patent process, I shall be glad to try to answer them.

Howard W. Ottoson

PERSONNEL ACTION

Leng, Earl R. - Prof. Agronomy - Prog.Dir. Intl. Sorghum/Millet Res. - New Appt.
Peterson, Everett E. - Prof. Ag Econ./Ext. Economist - Emeritus Status

GRANTS & CONTRACTS

Ball, H. J. - Entomology - FMC Corporation	$ 1,200
Ball, H. J. - Entomology - Monsanto	1,500
Burnside, O. C. - Agronomy - Mobay Chemical	1,250
Burnside, O. C. - Agronomy - Stauffer Chemical Company	1,000
Burnside, O. C. - Agronomy - Miscellaneous Donors	1,500
Campbell, J. B. - NP Station - Diamond Shamrock	1,000
Compton, W. A. - Agronomy - Miscellaneous Donors	1,000
Coyne, D. P. - PH Station - Rocky Mountain Bean Dealers Assn.	3,000
Dickason, E. A. - Entomology - Union Carbide	1,500
Doran, J. W. - Agronomy - Anna H. Elliot Fund	6,500
Eastin, J. D. - Agronomy - US Agency for International Development	88,740
Fenster, C. R. - PH Station - Miscellaneous Donors	1,000
Fenster, C. R. - PH Station - Chevron Chemical Company	1,500
Fishbach, P. E. - Ag. Engineering - Stauffer Chemical Company	1,400
Flowerday, A. D. - Agronomy - Nebr.Soybean Dev. Utiliz. & Mktg Board	6,800
Furrer, J. D. - Agronomy - Nebr. Soybean Dev. Utiliz. & Mktg Board	7,350
Grabouski, P. H. - NP Station - Garst & Thomas Hybrid Corn Company	1,350
Hagen, A. F. - PH Station - Chevron Chemical Company	750
Holtzer, T. O. - Entomology - Pest Management Consultants, Inc.	2,750
Johnson, R. K. - Animal Science - National Pork Producers Council	7,000
Johnson, V. A. & P. Mattern - Agronomy - Anna H. Elliot Fund	10,000
Kerr, E. D. - PH Station - Rohm & Haas Company	600
Kleis, R. W. - Ag Exp. Station - US Agency for Intl. Development	100,000
Klopfenstein, T. J. - Anim.Sci.- Nebr.Soybean Dev.Util. Mktg Board	7,500
Klucas, R. V. - Lab.Ag.Biochm. - Nebr.Soybean Dev.Util. Mktg Board	9,500
Lewis, A. J. - Animal Science - Monsanto	10,000
Linsenmeyer, D. - Ag Econ. - Nebr.Soybean Dev. Util. Mktg. Board	2,000
Mayo, Z. B. - Entomology - FMC Corporation	1,000
Mayo, Z. B. - Entomology - Miscellaneous Donors	1,900
Mayo, Z. B. - Entomology - Union Carbide	1,750
Moomaw, R. S. - NE Station - Uniroyal, Inc.	1,000
O'Keefe, R. & Eric Kerr - PH Station - Chevron Chemical Company	1,750
Olson, D. G. - Animal Science - National Pork Producers Council	7,500
Peo Jr., E. R. - Animal Science - Smith-Douglas Div. of Borden	4,800
Peters, L. L. - SC Station - Miscellaneous Donors	1,000
Rehm, G. W. - NE Station - Nebr.Soybean Dev. Utiliz. & Mktg. Board	1,500
Roeth, F. W. - SC Station - Stauffer Chemical Company	2,200
Roeth, F. W. - SC Station - Velsicol Chemical Corporation	1,000
Rush, I. G. - PH Station - Eli Lilly & Company	1,500
Shahani, K. M. - Food Sci. & Tech. - Miscellaneous Donors	1,270
Shearman, R. C. - Horticulture - Boots Hercules Agroch. Company	1,500
Specht, J. E. - Agronomy - Nebr.Soybean Dev. Utiliz. & Mktg Board	4,800
Splinter, W. E. - Ag Engineering - Meredith Corporation	2,500
Steadman, J. R. - Plant Pathology - E.I. DuPont DeNemours & Co.	1,500
Turner, M. S. - Ag Economics - USDA/ESCS	15,400
Trimmer, W. L. - PH Station - Miscellaneous Donors	900
Van Etten, J. - Plant Pathology - National Science Foundation	39,973
Vidaver, A. K.- Plant Pathology - Nebr.Soybean Dev. Util.Mktg Board	4,700
Wagner, F. W. - Ag Biochem. - USDA/SEA	75,000
Ward, J. K. - Farmland Industries, Inc.	4,000
Watkins, J. E. - Plant Pathology - Miscellaneous Donors	1,300
Wicks, G. A. - NP Station - Miscellaneous Donors	4,250
Wicks, G. A. - NP Station - Shell Development Corporation	1,250
Wiese, R. A. - Agronomy - Dow Chemical Company	1,850
Wiese, R. A. - Agronomy - Duval Sales Corporation	2,000
Williams, J. H. - Agronomy - Nebr. Soybean Dev. Utiliz. & Mktg Board	8,000
Wilson Jr., R. G. - PH Station - Miscellaneous Donors	1,250
Wilson Jr., R. G. - PH Station - Stauffer Chemical Company	2,500
Wilson Jr., R. G. - PH Station - Velsicol Chemical Company	1,150
Witkowski, J. F. - NE Station - Chemagro-Mobay	550
Witkowski, J. R. - NE Station - Union Carbide Ag Products	2,000

NEBRASKA AGRICULTURAL EXPERIMENT STATION PUBLICATIONS - July 1979

Journal Articles - Submitted for Publication (contact authors for more information)

5721. Effect of Lanolin or Lanolin + Starch Rings on Absorption and Translocation of 2,4-D or Glyphosate in Hemp Dogbane (*Apocynum cannabinum*). M. E. Schultz and O. C. Burnside. Weed Science.

5722. Biological Control of Leafy Spurge in Nebraska with the Spurge Hawkmoth. J. R. Forwood and M. K. McCarty. Weed Science.

5723. The Herb Tansy as a Potential Deterrent to Insects of the Cabbage Worm Complex. Gary J. Brewer and H. J. Ball. Journal of Economic Entomology.

5724. Identifying Differences in Time Managers. Florence S. Walker. Home Economics Research Journal.

5725. Food Habits of Plains Pocket Gophers on Western Nebraska Rangeland. Dale G. Luce, Ronald M. Case and James L. Stubbendieck. Journal of Range Management.

5726. Comparisons of Dicamba, Picloram, and 2,4-D for Musk Thistle (*Carduus nutans*) Control. Fred Roeth. Weed Science.

5727. Responses to Mass Selection Programs in Maize and Stability of Selected Populations. J. H. Mareck and C. O. Gardner. Crop Science Journal.

5728. Short Report - Dhurrin in *Sorghastrum Nutans*. H. J. Gorz, F. A. Haskins, Richard Dam and K. P. Vogel. Phytochemistry.

5729. Sampling for Protein and Oil in the Grain of *Sorghum bicolor* (L.) Moench. W. M. Ross, R. Ritter and J. W. Maranville. Crop Science.

5730. Nutritional Adequacy and Tolerance of Three Enteral Formulas in Healthy Subjects. Constance Kies and Hazel Metz Fox. Parenteral and Enteral Nutrition.

5731. Distribution, Competition, and Phenology of Hemp Dogbane (*Apocynum cannabinum*) in Nebraska. M. E. Schultz and O. C. Burnside. Weed Science.

5732. A Preliminary Investigation of Forage Quality Characters in Hybrid Grain Sorghum Residues. W. M. Ross, H. J. Gorz and F. A. Haskins. Maydica.

5733. Comparison Between Kjeldahl and Near Infrared (NIR) Protein Analyses on Vegetative and Head Samples of Wheat. Lowell Klepper and Kenneth Wilhelmi. Crop Science.

5734. Nitrogen Leaching Under Center-Pivot Irrigation on Sandy Loam Soil. L. N. Mielke, J. S. Schepers and K. A. Richards. Proceedings of the Technical Conference of the Irrigation Association.

5735. Differential Reaction of Leaves and Pods of *Phaseolus* Germplasm to Strains of *Xanthomonas Phaseoli* and Transgressive Segregation for Tolerance from Crosses of Susceptible Germplasm. Nicolas Valladares-Sanchez, Dermot P. Coyne and M. L. Schuster. Journal of American Society of Horticulture Science.

(over)

Journal Abstracts - Submitted for Publication (contact authors for more information)

79-1210. Antitumor Properties of Yogurt Fractions on Ehrlich ascites Tumor. A. D. Ayebo, K. M. Shahani, R. Dam and A. Torres-Medina. Journal of Dairy Science

79-1211. Evaluation of the Properties of a Nonfermented Acidophilus Milk. D. K. Sinha, R. Dam and K. M. Shahani. Journal of Dairy Science.

79-1212. Industrial Alcohol Production via Whey and Grain Fermentation. M. L. Cunningham, B. A. Friend and K. M. Shahani. Journal of Dairy Science.

79-1213. Effect of Feeding *Lactobacillus acidophilus* Milk Upon Fecal Flora and Enzyme Activity in Humans. A. D. Ayebo, I. A. Angelo, K. M. Shahani and C. Kies. Journal of Dairy Science.

79-1214. Long Term Effects of Dietary Additions of Alfalfa and Tallow on Reproductive Performance. D. S. Pollmann, D. M. Danielson, M. A. Crenshaw and E. R. Peo, Jr. American Society of Animal Science.

79-1215. Heritability Estimates for Forage Yield and Quality in Indiangrass (*Sorghastrum nutans*). K. P. Vogel, F. A. Haskins and H. J. Gorz. Agronomy Journal.

79-1216. The Role of Genetics in the Improvement of Vegetable Crops. Dermot P. Coyne. Proceedings of the Horticultural Education Association of Great Britain and Ireland.

79-1217. Chromosome Numbers and Meiotic Behavior of Indiangrass (*Sorghastrum nutans*) Cultivars. R. D. Riley and K. P. Vogel. Agronomy Journal.

79-1218. Stability of an Interesterified Blend of Soybean Oil and Edible Tallow. A. Philip Handel, Roy G. Arnold and Y. C. Lo. Journal of American Oil Chemists' Society.

79-1219. Flavor Evaluation of an Interesterified Blend of Soybean Oil and Edible Tallow. Y. C. Lo, A. P. Handel and R. G. Arnold. Journal of Food Science.

79-1220. Leghemoglobin Reduction in Soybean Nodules. L. Saari, C. Stodd and R. V. Klucas. American Chemical Society Meeting, Washington, D. C.

79-1221. Research in Great Plains Drought Management Strategies: Findings of the Workshop. N. J. Rosenberg, M. L. Quinn, D. A. Wilhite and R. O. Hoffman. American Society of Agronomy Annual Meeting, Ft. Collins, Colorado, August 5-10, 1979.

BULLETINS PRINTED

RB 267. Rates of Water Entry Into the Subsoil of Several Soil Series in Nebraska. David T. Lewis.

RB 287. Simulation Studies of Corn Hybrid-Climate Response in Nebraska. R. E. Neild and N. H. Richman.