

Minnesota Attorney General: Administrative Rules Proceedings

Copyright Notice:

This material may be protected by copyright law (U.S. Code, Title 17). Researchers are liable for any infringement. For more information, visit www.mnhs.org/copyright.

Version 3
August 20, 2018

RULE REVIEW CHECKLIST

File No. 1388 Docket No. 05.0009.0830

DATE RECEIVED 8/5/87
REVIEW DATE 8/14/87
DUE DATE 8/19/87

APPROVED August 14, 1987 mjc
DISAPPROVED
WITHDRAWN

ADOPTED W/O HEARING X
EMERGENCY RULE

REVISOR APPROVED
REVISOR DISAPPROVED
FILED W/SEC. STATE
RETURNED TO AGENCY

✓ Rule as adopted (4 copies)

___ ~~Notice to Solicit~~ Outside Information/Opinion
~~Date published in State Register~~
~~Comments~~

___ ~~Petition for Adoption of a Rule~~

✓ Board's Authorizing Resolution

✓ Proposed rule
yes Revisor's Certificate

✓ Notice of Intent to Adopt Rule
136C.04 Statutory Authority
no Small business statement
no Expenditure of public money statement
yes Signature

✓ Statement of Need and Reasonableness

✓ Affidavit of Mailing Notice of Intent to Adopt Rule
5/6/87 Date (30)/25 days before adoption

✓ Publication in State Register
5/18/87 Date (30)/25 days before adoption

✓ Resolution Adopting

✓ Findings of Fact, Conclusions & Order Adopting
7/15/87 Date

✓ Written requests, submissions or comments

✓ Declaration of attorney
Chuck Mott Name of SAAG representing agency

___ ~~Notice of Submission to Attorney General~~

___ ~~Affidavit of Mailing Notice to Attorney General~~

✓ order for publication

SF-00006-05 (4/86)

STATE OF MINNESOTA

Office Memorandum

DEPARTMENT : ATTORNEY GENERAL

DATE : August 18, 1987

TO : GEORGIA POMEROY
Licensing Specialist
State Board of Vocational Technical Education

FROM : MARTHA CASSERLY
Special Assistant
Attorney General

PHONE : 6-6204

SUBJECT : In the Matter of the Adopted Rule Relating to Postsecondary Vocational Licensure, Agricultural Occupations

The above-referenced rule has been approved as to its legality by the Attorney General on August 14, 1987.

Enclosed is the agency's copy of the approved rule. This office has already filed two copies with the Secretary of State, who will forward one copy to the Revisor of Statutes. The fourth is being retained by this division of the Attorney General's Office for its records.

Also enclosed are any petitions, requests, submission or comments received by the agency and any extra copies of documents which the agency submitted to the Attorney General.

In order for a permanent rule without a hearing to become effective, your agency must publish a notice of adoption in the State Register in accordance with Minn. Stat. § 14.27. An emergency rule becomes effective five working days after approval by the Attorney General; however, the agency must publish a notice in the State Register in accordance with Minn. Stat. § 14.34.

If you have any questions in this regard, please contact me.

MJC:nah
Enclosures

cc: Maryanne Hruby
Executive Director
Legislative Commission to Review
Adminsitrative Rules

Duane Harves
Chief Administrative Law Judge
Office of Administrative Hearings

AG Copy

State Board of Vocational Technical Education

Adopted Permanent Rules Relating to Postsecondary Vocational Licensure, Agricultural Occupations

Rules as Adopted

3700.0100 GENERAL REQUIREMENTS FOR POSTSECONDARY VOCATIONAL TEACHERS.

Subpart 1. **Listed or referred to here.** An applicant for a license to teach postsecondary vocational courses or programs must meet the requirements listed or referred to in this part. These requirements are in addition to the requirements:

A. for teaching in a particular occupational area (listed in the first part that covers licenses in that occupational area); and

B. for the requirements for a particular license (listed under the part that covers that particular license).

Subp. 2. **Requirements elsewhere.** The applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000.

3700.0200 LICENSES IN THE AGRICULTURAL OCCUPATIONAL AREA.

Subpart 1. **Listed here.** An applicant for a license to teach postsecondary vocational courses and programs in the agricultural occupational area must meet the requirements in this part. These requirements are in addition to the requirements listed in part 3700.0100 and the requirement for a particular license (listed under the part that covers that particular license).

Subp. 2. **Recent occupational experience.** An applicant for a license to teach in the agricultural occupational area must have 1,500 hours of occupational experience within the five years just before applying for the license.

Subp. 3. **Does not apply.** Part 3515.9920 does not apply.

3700.0205 FARM BUSINESS MANAGEMENT LICENSE.

Subpart 1. **May teach.** A teacher who has a farm business

management license may teach in the farm business management program and may also teach courses in:

A. agricultural financial management, marketing, and record keeping;

B. goal setting in farming and agricultural business;

C. agricultural financial statements and analysis;

D. methods of marketing crops and livestock; and

E. applied crop and livestock practices.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education requirement.** A bachelor's or higher degree from an accredited postsecondary institution in agricultural education is required for this license.

Subp. 4. **Occupational experience requirement.** The applicant must have 4,000 hours of occupational experience as described in items A and B. The 4,000 hours may include the 1,500 hours required under part 3700.0200, subpart 2.

A. At least 3,000 of the hours must be in production or operations with plants or animals on a farm or ranch as a farmer or rancher; farm or ranch manager; or farm or ranch owner and operator.

B. Up to 1,000 hours may be in an occupation that is listed in the National Ag Occupations Competency Study unless the occupation is one that is listed in subpart 6.

Subp. 5. **Incorporation by reference.** The National Ag Occupations Competency Study referred to in subparts 4 and 6 is incorporated by reference to the extent it is referred to in subparts 4 and 6. The study has the formal title "Identifying and Validating Essential Competencies Needed for Entry and Advancement in Major Agriculture and Agribusiness Occupations." The study is by David R. McClay and is dated May 16, 1978. It is published by the United States Department of Health Education and Welfare, Office of Education, Occupational and Adult Education Branch, and is for sale by the Superintendent of

Documents, United States Government Printing Office, Washington, DC 20402. It is available for inspection at the central office of the State Board of Vocational Technical Education, 550 Cedar Street, Saint Paul, Minnesota 55101, and at the Government Documents Section, Room 409, Wilson Library, University of Minnesota, 309 19th Avenue South, Minneapolis, Minnesota 55454.

Subp. 6. **Do not count experience in these occupations.** Even though the occupations listed in this subpart may be listed in the National Ag Occupations Competency Study, experience with them cannot be counted as part of the occupational experience required under subpart 4.

A. Flour Miller's Assistant;

B. Cereal Grains Laborer;

C. Mill Maintenance Worker;

D. Citrus Processor;

E. Milk Processor;

F. Milk Plant Manager;

G. Butter, Ice Cream, and Cheese Maker;

H. Maintenance Engineer (Milk Plant);

I. Plant Electrician;

J. Lift Truck Operator;

K. Fruit and Vegetable Processing Industry;

L. Instrument Technician;

M. Lab Technician;

N. Plant Maintenance Mechanic;

O. Slaughterhouse Worker;

P. Retail Fish Cutter;

Q. Nut Sorter;

R. Nut Sorter Supervisor;

S. Nut Sorting Machine Operator;

T. Nut Tester;

U. Nut Sanitarian;

V. Nut Maintenance Mechanic;

W. Nut Machine Operator;

X. Egg Processor;

Y. Rice Shift Miller;

Z. Rice Huller Person;

AA. Rice Hull Maintenance Person;

BB. Sweet Potato Processor;

CC. Floriculture Delivery Person;

DD. Floral Salesperson;

EE. Air Pollution Control Inspector or Technician;

FF. Fish Conservation Officer;

GG. Fish Hatchery Worker;

HH. Fish Research Technician;

II. Zoning Compliance Officer;

JJ. Commercial Fisherman;

KK. Fisheries Technician;

LL. Campground Manager and Maintenance Person;

MM. Park Aide;

NN. Park Maintenance Person;

OO. Hunting and Fishing Guide;

PP. Water Treatment Plant Operator;

QQ. Waste Water Technician;

RR. Sawer;

SS. Sawmill Worker;

TT. Fire Ranger;

UU. Forest Fire Fighter;

VV. Forest Insect Ranger;

WW. Fire Warden;

XX. Forest Fire Suppression Crew Leader; and

YY. Maple Syrup Producer.

Subp. 7. **Substitution for occupational experience.** The applicant may substitute teaching in programs and courses at an accredited secondary or postsecondary vocational institution in plant or animal science, agricultural education, farm operations and management, veterans cooperative farm management, or farm business management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0210 FARM OPERATIONS AND MANAGEMENT LICENSE.

Subpart 1. **May teach.** A teacher who has a farm operations and management license may teach in the farm operations and management program and may also teach programs and courses in:

A. plant growth and reproduction;

B. animal production and management;

C. animal nutrition;

D. basic agricultural mechanics;

E. agricultural structures, design, and maintenance;

F. agricultural soil, water, and conservation management; and

G. agricultural financial management, marketing, and record keeping.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education, plant or animal science, agricultural economics, or technical agriculture and 4,000 hours of occupational experience in production or operations with plants or animals on a farm or ranch as a farmer or rancher; farm or ranch manager; or farm or ranch owner and operator; or

B. two years of education from an accredited postsecondary institution in technical agricultural education and 6,000 hours of occupational experience in production or operations with plants or animals on a farm or ranch as a farmer or rancher; farm or ranch manager; or farm or ranch owner and operator; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in plant or animal science, agricultural economics, agricultural education, farm operations and management, farm business management, agricultural mechanics, vocational agriculture, veterans cooperative farm management, or farm business management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0215 DAIRY HERD MANAGEMENT LICENSE.

Subpart 1. **May teach.** A teacher who has a dairy herd management license may teach in the dairy herd management program and may also teach courses in:

A. agricultural business management, marketing, and record keeping;

B. dairy breeding, nutrition, health, and housing; and

C. marketing of milk and breeding stock.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education or animal science and 4,000 hours of occupational experience in dairy herd management; or

B. two years of education from an accredited postsecondary institution in farm operations management, animal science, or dairy herd management, and 6,000 hours of occupational experience in dairy herd management; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in agricultural education, farm operations management, animal science, vocational agriculture, farm business management, veterans cooperative farm management, or dairy herd management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0220 LAMB AND WOOL MANAGEMENT LICENSE.

Subpart 1. **May teach.** A teacher who has a lamb and wool management license may teach in the lamb and wool management program and may also teach courses in:

A. sheep breeding, nutrition, health, and housing;

B. marketing of sheep byproducts; and

C. sheep financial management and recordkeeping.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education or animal science and 4,000 hours of occupational experience in lamb and wool management; as a farmer or rancher, farm or ranch manager, or farm or ranch owner and operator; or

B. two years of education from an accredited postsecondary institution in farm operations management or technical agriculture/animal science and 6,000 hours of

occupational experience in lamb and wool management; as a farmer or rancher, farm or ranch manager, or farm or ranch owner and operator; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in vocational agriculture, farm business management, or licensed teaching experience in an approved postsecondary vocational course or program in farm operations management, veterans cooperative farm management, or lamb and wool management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0225 AGRICULTURE SUPPLIES, SALES AND SERVICE LICENSE.

Subpart 1. **May teach.** A teacher who has an agriculture supplies, sales and service license may teach in the agriculture supplies, sales and service program and may also teach courses in:

A. sale of agricultural equipment and supplies; and

B. service and maintenance of agricultural equipment.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** An applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education or technical agriculture and 4,000 hours of occupational experience in agricultural supplies, sales, and service; as a technician,

owner and operator, or manager; or

B. two years of education from an accredited postsecondary institution in technical agriculture and/or agricultural sales and service and 6,000 hours of occupational experience in agricultural supplies, sales, and service; as a technician, owner and operator, or manager; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in agricultural: education; engineering; economics; supplies, sales and service; farm operations and management; soil, plant, or animal science; farm equipment mechanics; or farm business management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0230 HORSE CARE: STABLE AND BACKSTRETCH.

Subpart 1. **May teach.** A teacher who has a horse care: stable and backstretch license may teach in the horse care: stable and backstretch program and may also teach courses in:

A. horse selection and breeding;

B. horse physiology, nutrition, and health; and

C. housing and marketing of horses.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** An applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education or animal

science and 4,000 hours of occupational experience as a manager or assistant manager in horse care: training, breeding, horse barn, or stable and backstretch; or

B. two years of education from an accredited postsecondary institution in horse care: stable and backstretch or pleasure horse technology and 6,000 hours of occupational experience as a manager or assistant manager in horse care: training, breeding, horse barn, or stable and backstretch; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in agricultural education, animal science, horse care: stable and backstretch, and pleasure horse technology for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0235 AGRICULTURAL EQUIPMENT MECHANICS LICENSE.

Subpart 1. **May teach.** A teacher who has an agricultural equipment mechanics license may teach in the agricultural equipment mechanics program and may also teach courses in agricultural equipment assembly, repair, and operation.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** An applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education, agricultural mechanization, agricultural engineering, or

technical agriculture and 4,000 hours of occupational experience as an agricultural equipment mechanic or block person in a dealership; or

B. two years of education from an accredited postsecondary institution in agricultural equipment mechanics, truck diesel mechanics, or heavy equipment mechanics, and 6,000 hours of occupational experience as an agricultural equipment mechanic or block person in a dealership; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in agricultural: education, mechanization, or engineering; truck diesel mechanics or heavy equipment mechanics for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0240 HORTICULTURE LICENSE.

Subpart 1. **May teach.** A teacher who has a horticulture license may teach in the horticulture program and may also teach courses in:

A. plant propagation;

B. plant health;

C. ornamental plant identification and use;

D. plant science;

E. soil science;

F. fertilizers; and

G. horticulture equipment and equipment maintenance.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part

3700.0200.

Subp. 3. **Education and occupational experience requirements.** An applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in horticulture or agricultural education with at least 30 quarter credits or 20 semester credits in horticulture or horticulture science and 4,000 hours of occupational experience as a horticultural: technician; owner and operator; or manager or supervisor in greenhouse operations, nursery operations, garden store operations, or landscaping; or

B. two years of education from an accredited postsecondary institution in horticulture or landscaping and 6,000 hours of occupational experience as a horticultural: technician; owner and operator; or manager or supervisor in greenhouse operations, nursery operations, garden store operations, or landscaping; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in vocational agriculture, horticulture science, vocational horticulture, or landscaping for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0245 LANDSCAPING LICENSE.

Subpart 1. **May teach.** A teacher who has a landscaping license may teach in the landscaping program and may also teach courses in:

A. plant propagation;

B. plant health;

C. ornamental plant identification and use;

D. plant science;

E. soil science;

F. fertilizers;

G. landscaping equipment maintenance;

H. landscape design; and

I. landscape construction.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in horticulture science or agricultural education with at least 30 quarter credits or 20 semester credits in horticulture or horticulture science and 4,000 hours of occupational experience in landscaping as an architect, technician, groundskeeper, or gardener; or

B. two years of education from an accredited postsecondary institution in horticulture or landscaping and 6,000 hours of occupational experience in landscaping as an architect, technician, groundskeeper, or gardener; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary institution in horticulture science, vocational horticulture, landscaping, or vocational agriculture for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0250 NATURAL RESOURCES LICENSE.

Subpart 1. **May teach.** A teacher who has a natural resources license may teach in the natural resources program and may also teach courses in:

A. soil science; and

B. soil and water resources management.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in fisheries and wildlife, forestry, soil science, or water resource management and 4,000 hours of occupational experience in water resources technology or environmental analysis in forestry, fisheries, or wildlife: as a technician, manager, conservationist, ecologist, or naturalist; or

B. two years of education from an accredited postsecondary institution in natural resources and 6,000 hours of occupational experience in water resources technology or environmental analysis in forestry, fisheries, or wildlife: as a technician, manager, conservationist, ecologist, or naturalist; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary institution in soil science, soil and water resources management, natural resources, or forestry for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching

equals one hour of occupational experience.

3700.0255 LOGGING BUSINESS MANAGEMENT LICENSE.

Subpart 1. **May teach.** A teacher who has a logging business management license may teach in the logging business management program and may also teach courses in:

A. logging business practices; and

B. agricultural financial statement analysis.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Occupational experience requirement.** The applicant must have 8,000 hours of occupational experience as a logging business operator or manager or woodlands operator or manager. The 8,000 hours may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute the education described in items A to C for up to 4,000 hours of the occupational experience required in subpart 3. The education must be from an accredited postsecondary institution. If substitution is made, the applicant must still comply with the recency requirement of part 3700.0200, subpart 2.

A. A bachelor's or higher degree in forestry, forestry science, business management, or natural resources may be substituted for 4,000 hours.

B. An associate degree in logging business management, forestry, forestry science, farm business management, business management, or natural resources may be substituted for 2,000 hours.

C. A certificate or diploma in logging business management, forest harvesting, or forest business management may be substituted, if a one-year program, for 1,050 hours and if a two-year program, for 2,100 hours.

Subp. 5. **Substitution for recent occupational experience.**

The applicant may substitute teaching experience at an accredited secondary or postsecondary institution in logging business management, forestry, forest harvesting, forest equipment maintenance, and forestry management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. Two hours of teaching equals one hour of the occupational experience.

3700.0260 FOREST HARVESTING LICENSE.

Subpart 1. **May teach.** A teacher who has a forest harvesting license may teach in the forest harvesting program and may also teach courses in forest harvesting practices and techniques.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in forestry and 4,000 hours of occupational experience in forest harvesting operations as a supervisor, manager, or logger;

B. two years of education from an accredited postsecondary institution in forestry, forest harvesting, forest equipment maintenance, or logging and 6,000 hours of occupational experience in forest harvesting operations as a supervisor, manager, or logger; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs or courses in an accredited secondary or postsecondary vocational institution in forestry, forest harvesting, forest equipment maintenance, forestry management, or logging business management

for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0265 TAXIDERMY LICENSE.

Subpart 1. **May teach.** A teacher who has a taxidermy license may teach in the taxidermy program.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Occupational experience requirement.** The applicant must have 8,000 hours of occupational experience in taxidermy. The 8,000 hours may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute the education described in items A to D for up to 4,000 hours of the occupational experience required in subpart 3. The education must be from an accredited postsecondary institution. If the substitution is made, the applicant must still comply with the recency requirement of part 3700.0200, subpart 2.

A. A bachelor's or higher degree in fish and wildlife management or natural resource technology may be substituted for 4,000 hours.

B. An associate degree in fish and wildlife management or natural resource technology may be substituted for 2,000 hours.

C. A certificate or diploma in natural resource technology may be substituted, if a one-year program, for 1,050 hours and if a two-year program, for 2,100 hours.

D. The completion of courses for credit or clock hours for credit in taxidermy, bird mounting, game head mounts, federal and state laws related to taxidermy, or reptiles and

amphibians may be substituted. One hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

Subp 5. **Substitution for recent occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited postsecondary vocational program in taxidermy for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

STATE OF MINNESOTA
DEPARTMENT OF STATE
FILED
AUG 17 1987
Joan Anderson Growe
Secretary of State
5:23 PM

APPROVED AS TO FORM AND LEGALITY
August 14 1987
HUBERT H. HUMPHREY, III
ATTORNEY GENERAL
BY M J Cassely
SPECIAL ASSISTANT ATTORNEY GENERAL

==========

2010.9910 RECOMMENDED CERTIFICATE OF AUTHORIZING RESOLUTION FOR RULE WITHOUT A PUBLIC HEARING OR EMERGENCY.

CERTIFICATE OF THE

STATE BOARD OF VOCATIONAL TECHNICAL EDUCATION

AUTHORIZING RESOLUTION

I, Doug Knowlton, do hereby certify that I am a member and the President of the State Board of Vocational Technical Education, a board duly authorized under the laws of the State of Minnesota, and that the following is a true, complete, and correct copy of a resolution adopted at a meeting of the State Board of Vocational Technical Education duly and properly called and held on the 15th day of December, 1986, that a quorum was present, and that a majority of those present voted for the resolution which has not been rescinded or modified.

> "RESOLVED, that Helen Henrie, Deputy State Director of the State Board of Vocational Technical Education is hereby granted the authority and directed to sign and to give the Notice of the Board's Intent to Adopt a rule without a public hearing governing Post-Secondary Vocational Licensure of Teachers, Agriculture Occupations to all persons who have registered their names with the Board for that purpose and publish the Notice and rule in the *State Register* and to perform any and all acts incidental thereto."

IN WITNESS WHEREOF, I have hereunto subscribed my name this 15th day of December, 1986.

(Officer of the Board)

Attest by one other Board Member

Office of the Revisor of Statutes
Administrative Rules

Richard J. Sands
Senior Assistant Revisor
296-2798

700 State Office Building
435 Park Street
St. Paul, MN 55155-1297

March 11, 1987

Georgia Pomroy
State Board of Vo-Tech Education
5th Floor, Capitol Square Building
550 Cedar Street
Saint Paul, Minnesota 55101

RE: RD988 Postsecondary Vocational Licensure, Agriculture Occupations

Dear Ms. Pomroy:

We are enclosing six copies of your rule, approved as to form. Please submit two copies to the State Register.

If you have any questions, do not hesitate to call.

Very truly yours,

Richard J. Sands

RJS/mm
Encl.

State Board of Vocational Technical Education

Proposed Permanent Rules Relating to Postsecondary Vocational Licensure, Agricultural Occupations

Rules as Proposed (all new material)

3700.0100 GENERAL REQUIREMENTS FOR POSTSECONDARY VOCATIONAL TEACHERS.

Subpart 1. **Listed or referred to here.** An applicant for a license to teach postsecondary vocational courses or programs must meet the requirements listed or referred to in this part. These requirements are in addition to the requirements:

A. for teaching in a particular occupational area (listed in the first part that covers licenses in that occupational area); and

B. for the requirements for a particular license (listed under the part that covers that particular license).

Subp. 2. **Requirements elsewhere.** The applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000.

3700.0200 LICENSES IN THE AGRICULTURAL OCCUPATIONAL AREA.

Subpart 1. **Listed here.** An applicant for a license to teach postsecondary vocational courses and programs in the agricultural occupational area must meet the requirements in this part. These requirements are in addition to the requirements listed in part 3700.0100 and the requirement for a particular license (listed under the part that covers that particular license).

Subp. 2. **Recent occupational experience.** An applicant for a license to teach in the agricultural occupational area must have 1,500 hours of occupational experience within the five years just before applying for the license.

Subp. 3. **Does not apply.** Part 3515.9920 does not apply.

3700.0205 FARM BUSINESS MANAGEMENT LICENSE.

Subpart 1. **May teach.** A teacher who has a farm business

Approved by Revisor _____

management license may teach in the farm business management program and may also teach courses in:

A. agricultural financial management, marketing, and record keeping;

B. goal setting in farming and agricultural business;

C. agricultural financial statements and analysis;

D. methods of marketing crops and livestock; and

E. applied crop and livestock practices.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education requirement.** A bachelor's or higher degree from an accredited postsecondary institution in agricultural education is required for this license.

Subp. 4. **Occupational experience requirement.** The applicant must have 4,000 hours of occupational experience as described in items A and B. The 4,000 hours may include the 1,500 hours required under part 3700.0200, subpart 2.

A. At least 3,000 of the hours must be in production or operations with plants or animals on a farm or ranch as a farmer or rancher; farm or ranch manager; or farm or ranch owner and operator.

B. Up to 1,000 hours may be in an occupation that is listed in the National Ag Occupations Competency Study unless the occupation is one that is listed in subpart 6.

Subp. 5. **Incorporation by reference.** The National Ag Occupations Competency Study referred to in subparts 4 and 6 is incorporated by reference to the extent it is referred to in subparts 4 and 6. The study has the formal title "Identifying and Validating Essential Competencies Needed for Entry and Advancement in Major Agriculture and Agribusiness Occupations." The study is by David R. McClay and is dated May 16, 1978. It is published by the United States Department of Health Education and Welfare, Office of Education, Occupational and Adult Education Branch, and is for sale by the Superintendent of

Approved
by Revisor _____

Documents, United States Government Printing Office, Washington, DC 20402. It is available for inspection at the central office of the State Board of Vocational Technical Education, 550 Cedar Street, Saint Paul, Minnesota 55101, and at the Government Documents Section, Room 409, Wilson Library, University of Minnesota, 309 19th Avenue South, Minneapolis, Minnesota 55454.

Subp. 6. **Do not count experience in these occupations.** Even though the occupations listed in this subpart may be listed in the National Ag Occupations Competency Study, experience with them cannot be counted as part of the occupational experience required under subpart 4.

A. Flour Miller's Assistant;

B. Cereal Grains Laborer;

C. Mill Maintenance Worker;

D. Citrus Processor;

E. Milk Processor;

F. Milk Plant Manager;

G. Butter, Ice Cream, and Cheese Maker;

H. Maintenance Engineer (Milk Plant);

I. Plant Electrician;

J. Lift Truck Operator;

K. Fruit and Vegetable Processing Industry;

L. Instrument Technician;

M. Lab Technician;

N. Plant Maintenance Mechanic;

O. Slaughterhouse Worker;

P. Retail Fish Cutter;

Q. Nut Sorter;

R. Nut Sorter Supervisor;

S. Nut Sorting Machine Operator;

T. Nut Tester;

U. Nut Sanitarian;

V. Nut Maintenance Mechanic;

W. Nut Machine Operator;

X. Egg Processor;

Y. Rice Shift Miller;

Approved
by Revisor _____

Z. Rice Huller Person;

AA. Rice Hull Maintenance Person;

BB. Sweet Potato Processor;

CC. Floriculture Delivery Person;

DD. Floral Salesperson;

EE. Air Pollution Control Inspector or Technician;

FF. Fish Conservation Officer;

GG. Fish Hatchery Worker;

HH. Fish Research Technician;

II. Zoning Compliance Officer;

JJ. Commercial Fisherman;

KK. Fisheries Technician;

LL. Campground Manager and Maintenance Person;

MM. Park Aide;

NN. Park Maintenance Person;

OO. Hunting and Fishing Guide;

PP. Water Treatment Plant Operator;

QQ. Waste Water Technician;

RR. Sawer;

SS. Sawmill Worker;

TT. Fire Ranger;

UU. Forest Fire Fighter;

VV. Forest Insect Ranger;

WW. Fire Warden;

XX. Forest Fire Suppression Crew Leader; and

YY. Maple Syrup Producer.

Subp. 7. **Substitution for occupational experience.** The applicant may substitute teaching in programs and courses at an accredited secondary or postsecondary vocational institution in plant or animal science, agricultural education, farm operations and management, veterans cooperative farm management, or farm business management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

Approved
by Revisor _____

3700.0210 FARM OPERATIONS AND MANAGEMENT LICENSE.

Subpart 1. **May teach.** A teacher who has a farm operations and management license may teach in the farm operations and management program and may also teach programs and courses in:

A. plant growth and reproduction;

B. animal production and management;

C. animal nutrition;

D. basic agricultural mechanics;

E. agricultural structures, design, and maintenance;

F. agricultural soil, water, and conservation management; and

G. agricultural financial management, marketing, and record keeping.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education, plant or animal science, agricultural economics, or technical agriculture and 4,000 hours of occupational experience in production or operations with plants or animals on a farm or ranch as a farmer or rancher; farm or ranch manager; or farm or ranch owner and operator; or

B. two years of education from an accredited postsecondary institution in technical agricultural education and 6,000 hours of occupational experience in production or operations with plants or animals on a farm or ranch as a farmer or rancher; farm or ranch manager; or farm or ranch owner and operator; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Approved
by Revisor _____

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in plant or animal science, agricultural economics, agricultural education, farm operations and management, farm business management, agricultural mechanics, vocational agriculture, veterans cooperative farm management, or farm business management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0215 DAIRY HERD MANAGEMENT LICENSE.

Subpart 1. **May teach.** A teacher who has a dairy herd management license may teach in the dairy herd management program and may also teach courses in:

A. agricultural business management, marketing, and record keeping;

B. dairy breeding, nutrition, health, and housing; and

C. marketing of milk and breeding stock.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education or animal science and 4,000 hours of occupational experience in dairy herd management; or

B. two years of education from an accredited postsecondary institution in farm operations management, animal science, or dairy herd management, and 6,000 hours of occupational experience in dairy herd management; and

Approved
by Revisor _____

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in agricultural education, farm operations management, animal science, vocational agriculture, farm business management, veterans cooperative farm management, or dairy herd management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0220 LAMB AND WOOL MANAGEMENT LICENSE.

Subpart 1. **May teach.** A teacher who has a lamb and wool management license may teach in the lamb and wool management program and may also teach courses in:

A. sheep breeding, nutrition, health, and housing;

B. marketing of sheep byproducts; and

C. sheep financial management and recordkeeping.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education or animal science and 4,000 hours of occupational experience in lamb and wool management; as a farmer or rancher, farm or ranch manager, or farm or ranch owner and operator; or

B. two years of education from an accredited postsecondary institution in farm operations management or technical agriculture/animal science and 6,000 hours of

Approved
by Revisor _____

occupational experience in lamb and wool management; as a farmer or rancher, farm or ranch manager, or farm or ranch owner and operator; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in vocational agriculture, farm business management, or licensed teaching experience in an approved postsecondary vocational course or program in farm operations management, veterans cooperative farm management, or lamb and wool management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0225 AGRICULTURE SUPPLIES, SALES AND SERVICE LICENSE.

Subpart 1. **May teach.** A teacher who has an agriculture supplies, sales and service license may teach in the agriculture supplies, sales and service program and may also teach courses in:

A. sale of agricultural equipment and supplies; and

B. service and maintenance of agricultural equipment.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** An applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education or technical agriculture and 4,000 hours of occupational experience in agricultural supplies, sales, and service; as a technician,

Approved
by Revisor _____

owner and operator, or manager; or

B. two years of education from an accredited postsecondary institution in technical agriculture and/or agricultural sales and service and 6,000 hours of occupational experience in agricultural supplies, sales, and service; as a technician, owner and operator, or manager; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in agricultural: education; engineering; economics; supplies, sales and service; farm operations and management; soil, plant, or animal science; farm equipment mechanics; or farm business management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0230 HORSE CARE: STABLE AND BACKSTRETCH.

Subpart 1. **May teach.** A teacher who has a horse care: stable and backstretch license may teach in the horse care: stable and backstretch program and may also teach courses in:

A. horse selection and breeding;

B. horse physiology, nutrition, and health; and

C. housing and marketing of horses.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** An applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education or animal

Approved
by Revisor _____

science and 4,000 hours of occupational experience as a manager or assistant manager in horse care: training, breeding, horse barn, or stable and backstretch; or

B. two years of education from an accredited postsecondary institution in horse care: stable and backstretch or pleasure horse technology and 6,000 hours of occupational experience as a manager or assistant manager in horse care: training, breeding, horse barn, or stable and backstretch; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in agricultural education, animal science, horse care: stable and backstretch, and pleasure horse technology for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0235 AGRICULTURAL EQUIPMENT MECHANICS LICENSE.

Subpart 1. **May teach.** A teacher who has an agricultural equipment mechanics license may teach in the agricultural equipment mechanics program and may also teach courses in agricultural equipment assembly, repair, and operation.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** An applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education, agricultural mechanization, agricultural engineering, or

Approved by Revisor _____

technical agriculture and 4,000 hours of occupational experience as an agricultural equipment mechanic or block person in a dealership; or

B. two years of education from an accredited postsecondary institution in agricultural equipment mechanics, truck diesel mechanics, or heavy equipment mechanics, and 6,000 hours of occupational experience as an agricultural equipment mechanic or block person in a dealership; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in agricultural: education, mechanization, or engineering; truck diesel mechanics or heavy equipment mechanics for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0240 HORTICULTURE LICENSE.

Subpart 1. **May teach.** A teacher who has a horticulture license may teach in the horticulture program and may also teach courses in:

A. plant propagation;

B. plant health;

C. ornamental plant identification and use;

D. plant science;

E. soil science;

F. fertilizers; and

G. horticulture equipment and equipment maintenance.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part

Approved
by Revisor _____

3700.0200.

Subp. 3. **Education and occupational experience requirements.** An applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in horticulture or agricultural education with at least 30 quarter credits or 20 semester credits in horticulture or horticulture science and 4,000 hours of occupational experience as a horticultural: technician; owner and operator; or manager or supervisor in greenhouse operations, nursery operations, garden store operations, or landscaping; or

B. two years of education from an accredited postsecondary institution in horticulture or landscaping and 6,000 hours of occupational experience as a horticultural: technician; owner and operator; or manager or supervisor in greenhouse operations, nursery operations, garden store operations, or landscaping; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in vocational agriculture, horticulture science, vocational horticulture, or landscaping for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0245 LANDSCAPING LICENSE.

Subpart 1. **May teach.** A teacher who has a landscaping license may teach in the landscaping program and may also teach courses in:

A. plant propagation;

B. plant health;

Approved
by Revisor _____

C. ornamental plant identification and use;

D. plant science;

E. soil science;

F. fertilizers;

G. landscaping equipment maintenance;

H. landscape design; and

I. landscape construction.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in horticulture science or agricultural education with at least 30 quarter credits or 20 semester credits in horticulture or horticulture science and 4,000 hours of occupational experience in landscaping as an architect, technician, groundskeeper, or gardener; or

B. two years of education from an accredited postsecondary institution in horticulture or landscaping and 6,000 hours of occupational experience in landscaping as an architect, technician, groundskeeper, or gardener; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary institution in horticulture science, vocational horticulture, landscaping, or vocational agriculture for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

Approved
by Revisor _____

3700.0250 NATURAL RESOURCES LICENSE.

Subpart 1. **May teach.** A teacher who has a natural resources license may teach in the natural resources program and may also teach courses in:

A. soil science; and

B. soil and water resources management.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in fisheries and wildlife, forestry, soil science, or water resource management and 4,000 hours of occupational experience in water resources technology or environmental analysis in forestry, fisheries, or wildlife: as a technician, manager, conservationist, ecologist, or naturalist; or

B. two years of education from an accredited postsecondary institution in natural resources and 6,000 hours of occupational experience in water resources technology or environmental analysis in forestry, fisheries, or wildlife: as a technician, manager, conservationist, ecologist, or naturalist; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary institution in soil science, soil and water resources management, natural resources, or forestry for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching

Approved
by Revisor _____

equals one hour of occupational experience.

3700.0255 LOGGING BUSINESS MANAGEMENT LICENSE.

Subpart 1. **May teach.** A teacher who has a logging business management license may teach in the logging business management program and may also teach courses in:

A. logging business practices; and

B. agricultural financial statement analysis.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Occupational experience requirement.** The applicant must have 8,000 hours of occupational experience as a logging business operator or manager or woodlands operator or manager. The 8,000 hours may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute the education described in items A to C for up to 4,000 hours of the occupational experience required in subpart 3. The education must be from an accredited postsecondary institution. If substitution is made, the applicant must still comply with the recency requirement of part 3700.0200, subpart 2.

A. A bachelor's or higher degree in forestry, forestry science, business management, or natural resources may be substituted for 4,000 hours.

B. An associate degree in logging business management, forestry, forestry science, farm business management, business management, or natural resources may be substituted for 2,000 hours.

C. A certificate or diploma in logging business management, forest harvesting, or forest business management may be substituted, if a one-year program, for 1,050 hours and if a two-year program, for 2,100 hours.

Subp. 5. **Substitution for recent occupational experience.**

Approved
by Revisor _____

The applicant may substitute teaching experience at an accredited secondary or postsecondary institution in logging business management, forestry, forest harvesting, forest equipment maintenance, and forestry management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. Two hours of teaching equals one hour of the occupational experience.

3700.0260 FOREST HARVESTING LICENSE.

Subpart 1. **May teach.** A teacher who has a forest harvesting license may teach in the forest harvesting program and may also teach courses in forest harvesting practices and techniques.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in forestry and 4,000 hours of occupational experience in forest harvesting operations as a supervisor, manager, or logger;

B. two years of education from an accredited postsecondary institution in forestry, forest harvesting, forest equipment maintenance, or logging and 6,000 hours of occupational experience in forest harvesting operations as a supervisor, manager, or logger; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs or courses in an accredited secondary or postsecondary vocational institution in forestry, forest harvesting, forest equipment maintenance, forestry management, or logging business management

Approved
by Revisor _____

for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0265 TAXIDERMY LICENSE.

Subpart 1. **May teach.** A teacher who has a taxidermy license may teach in the taxidermy program.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Occupational experience requirement.** The applicant must have 8,000 hours of occupational experience in taxidermy. The 8,000 hours may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute the education described in items A to D for up to 4,000 hours of the occupational experience required in subpart 3. The education must be from an accredited postsecondary institution. If the substitution is made, the applicant must still comply with the recency requirement of part 3700.0200, subpart 2.

A. A bachelor's or higher degree in fish and wildlife management or natural resource technology may be substituted for 4,000 hours.

B. An associate degree in fish and wildlife management or natural resource technology may be substituted for 2,000 hours.

C. A certificate or diploma in natural resource technology may be substituted, if a one-year program, for 1,050 hours and if a two-year program, for 2,100 hours.

D. The completion of courses for credit or clock hours for credit in taxidermy, bird mounting, game head mounts, federal and state laws related to taxidermy, or reptiles and

Approved
by Revisor _____

amphibians may be substituted. One hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

Subp 5. **Substitution for recent occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited postsecondary vocational program in taxidermy for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

Approved
by Revisor _____

Office of the Revisor of Statutes

Administrative Rules

TITLE: Proposed Permanent Rules Relating to Postsecondary Vocational Teachers

AGENCY: State Board of Vocational Technical Education

MINNESOTA RULES: Chapter 3700

INCORPORATIONS BY REFERENCE: Part 3700.0205, subpart 5: Identifying and Validating Essential Competencies Needed for Entry and Advancement in Major Agriculture and Agribusiness Occupations

The attached rules are approved for publication in the State Register

Richard J. Sands
Senior Assistant Revisor

DEPARTMENT OF THE STATE BOARD OF VOCATIONAL TECHNICAL EDUCATION

In the Matter of the Proposed Adoption of the Rule of the State Board of Vocational Technical Education Governing Postsecondary Licensure Criteria, Agricultural Occupations 3700.0100 to 3700.0265

NOTICE OF INTENT TO ADOPT A RULE WITHOUT A PUBLIC HEARING

Notice is hereby given that the State Board of Vocational Technical Education intends to adopt the above-entitled rule without a pubic hearing following the procedures set forth in the Administrative Procedure Act for adopting rules without a public hearing in Minnesota Statutes, sections 14.22 to 14.28.[1] The statutory authority to adopt the rule is Minnesota Statutes 136c.04, Subdivision 9.

All persons have 30 days until 4:30 p.m. Thursday, June 18, 1987 in which to submit comment in support of or in opposition to the proposed rule or any part or subpart of the rule. Comment is encouraged.[2] Each comment should identify the portion of the proposed rule addressed, the reason for the comment, and any change proposed.[3]

Any person may make a written request for a public hearing on the rule within the 30-day comment period. If 25 or more[4] persons submit a written request for a public hearing within the 30-day comment period, a public hearing will be held unless a sufficient number withdraw their request in writing. Any person requesting a public hearing should state his or her name and address, and is encouraged to identify the portion of the proposed rule addressed, the reason for the request, and any change proposed.[5] If a public hearing is required, the agency will proceed pursuant to Minnesota Statutes, sections 14.131 to 14.20.[7]

Comments or written requests for a public hearing must be submitted to:[6]

Helen Henrie, Deputy Director
State Board of Vocational
Technical Education
565 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

Georgia Pomroy, License Revision
State Board of Vocational
Technical Education
565 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

The proposed rule may be modified if the modifications are supported by data and views submitted to the agency and do not result in a substantial change in the proposed rule as noticed.

(A copy of the proposed rule is attached to this notice.)

A Statement of Need and Reasonableness that describes the need for and reasonableness of each provision of the proposed rule and identifies the data and information relied upon to support the proposed rule has been prepared and is available from Helen Henrie or Georgia Pomroy upon request.

If no hearing is required, upon adoption of the rule, the rule and the required supporting documents will be submitted to the Attorney General for review as to legality and form to the extent the form relates to legality. Any person may request notification of the date of submission to the Attorney General. Persons who wish to be advised of the submission of this material to the Attorney General, or who wish to receive a copy of the adopted rule, must submit written request to:

Helen Henrie, Deputy Director
State Board of Vocational
Technical Education
565 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

Georgia Pomroy, License Revision
State Board of Vocational
Technical Education
565 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

Helen Henrie

Helen Henrie, Deputy Director
State Board of Vocational Technical Education

Notice of Intent ok

Authority 136c. 04 ok

Rule ok

SF-00006-02

STATE OF MINNESOTA

Office Memorandum

DEPARTMENT: State Board of Vocational Technical Education

TO : Attorney General's Office

DATE: August 5, 1987

FROM : Georgia Pomroy, Licensing Specialist

PHONE: 296-0680

SUBJECT: Approval of new licensure rules

Please find enclosed the documents for Agricultural Occupations, 3700.0100 to 3700.0265.

GP:cv
Enclosures

RECEIVED
ATTORNEY GENERAL'S OFFICE

AUG 05 1987

204 ADMINISTRATION BLDG.
50 SHERBURNE AVENUE
ST. PAUL, MN 55155

State Board of Vocational Technical Education

Proposed Permanent Rules Relating to Postsecondary Vocational Licensure, Agricultural Occupations

Rules as Proposed (all new material)

3700.0100 GENERAL REQUIREMENTS FOR POSTSECONDARY VOCATIONAL TEACHERS.

Subpart 1. **Listed or referred to here.** An applicant for a license to teach postsecondary vocational courses or programs must meet the requirements listed or referred to in this part. These requirements are in addition to the requirements:

A. for teaching in a particular occupational area (listed in the first part that covers licenses in that occupational area); and

B. for the requirements for a particular license (listed under the part that covers that particular license).

Subp. 2. **Requirements elsewhere.** The applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000.

3700.0200 LICENSES IN THE AGRICULTURAL OCCUPATIONAL AREA.

Subpart 1. **Listed here.** An applicant for a license to teach postsecondary vocational courses and programs in the agricultural occupational area must meet the requirements in this part. These requirements are in addition to the requirements listed in part 3700.0100 and the requirement for a particular license (listed under the part that covers that particular license).

Subp. 2. **Recent occupational experience.** An applicant for a license to teach in the agricultural occupational area must have 1,500 hours of occupational experience within the five years just before applying for the license.

Subp. 3. **Does not apply.** Part 3515.9920 does not apply.

3700.0205 FARM BUSINESS MANAGEMENT LICENSE.

Subpart 1. **May teach.** A teacher who has a farm business

Approved by Revisor

management license may teach in the farm business management program and may also teach courses in:

A. agricultural financial management, marketing, and record keeping;

B. goal setting in farming and agricultural business;

C. agricultural financial statements and analysis;

D. methods of marketing crops and livestock; and

E. applied crop and livestock practices.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education requirement.** A bachelor's or higher degree from an accredited postsecondary institution in agricultural education is required for this license.

Subp. 4. **Occupational experience requirement.** The applicant must have 4,000 hours of occupational experience as described in items A and B. The 4,000 hours may include the 1,500 hours required under part 3700.0200, subpart 2.

A. At least 3,000 of the hours must be in production or operations with plants or animals on a farm or ranch as a farmer or rancher; farm or ranch manager; or farm or ranch owner and operator.

B. Up to 1,000 hours may be in an occupation that is listed in the National Ag Occupations Competency Study unless the occupation is one that is listed in subpart 6.

Subp. 5. **Incorporation by reference.** The National Ag Occupations Competency Study referred to in subparts 4 and 6 is incorporated by reference to the extent it is referred to in subparts 4 and 6. The study has the formal title "Identifying and Validating Essential Competencies Needed for Entry and Advancement in Major Agriculture and Agribusiness Occupations." The study is by David R. McClay and is dated May 16, 1978. It is published by the United States Department of Health Education and Welfare, Office of Education, Occupational and Adult Education Branch, and is for sale by the Superintendent of

Approved
by Revisor _____

Documents, United States Government Printing Office, Washington, DC 20402. It is available for inspection at the central office of the State Board of Vocational Technical Education, 550 Cedar Street, Saint Paul, Minnesota 55101, and at the Government Documents Section, Room 409, Wilson Library, University of Minnesota, 309 19th Avenue South, Minneapolis, Minnesota 55454.

Subp. 6. **Do not count experience in these occupations.** Even though the occupations listed in this subpart may be listed in the National Ag Occupations Competency Study, experience with them cannot be counted as part of the occupational experience required under subpart 4.

A. Flour Miller's Assistant;

B. Cereal Grains Laborer;

C. Mill Maintenance Worker;

D. Citrus Processor;

E. Milk Processor;

F. Milk Plant Manager;

G. Butter, Ice Cream, and Cheese Maker;

H. Maintenance Engineer (Milk Plant);

I. Plant Electrician;

J. Lift Truck Operator;

K. Fruit and Vegetable Processing Industry;

L. Instrument Technician;

M. Lab Technician;

N. Plant Maintenance Mechanic;

O. Slaughterhouse Worker;

P. Retail Fish Cutter;

Q. Nut Sorter;

R. Nut Sorter Supervisor;

S. Nut Sorting Machine Operator;

T. Nut Tester;

U. Nut Sanitarian;

V. Nut Maintenance Mechanic;

W. Nut Machine Operator;

X. Egg Processor;

Y. Rice Shift Miller;

Approved
by Revisor _____

Z. Rice Huller Person;

AA. Rice Hull Maintenance Person;

BB. Sweet Potato Processor;

CC. Floriculture Delivery Person;

DD. Floral Salesperson;

EE. Air Pollution Control Inspector or Technician;

FF. Fish Conservation Officer;

GG. Fish Hatchery Worker;

HH. Fish Research Technician;

II. Zoning Compliance Officer;

JJ. Commercial Fisherman;

KK. Fisheries Technician;

LL. Campground Manager and Maintenance Person;

MM. Park Aide;

NN. Park Maintenance Person;

OO. Hunting and Fishing Guide;

PP. Water Treatment Plant Operator;

QQ. Waste Water Technician;

RR. Sawer;

SS. Sawmill Worker;

TT. Fire Ranger;

UU. Forest Fire Fighter;

VV. Forest Insect Ranger;

WW. Fire Warden;

XX. Forest Fire Suppression Crew Leader; and

YY. Maple Syrup Producer.

Subp. 7. **Substitution for occupational experience.** The applicant may substitute teaching in programs and courses at an accredited secondary or postsecondary vocational institution in plant or animal science, agricultural education, farm operations and management, veterans cooperative farm management, or farm business management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

Approved
by Revisor _____

3700.0210 FARM OPERATIONS AND MANAGEMENT LICENSE.

Subpart 1. **May teach.** A teacher who has a farm operations and management license may teach in the farm operations and management program and may also teach programs and courses in:

A. plant growth and reproduction;

B. animal production and management;

C. animal nutrition;

D. basic agricultural mechanics;

E. agricultural structures, design, and maintenance;

F. agricultural soil, water, and conservation management; and

G. agricultural financial management, marketing, and record keeping.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education, plant or animal science, agricultural economics, or technical agriculture and 4,000 hours of occupational experience in production or operations with plants or animals on a farm or ranch as a farmer or rancher; farm or ranch manager; or farm or ranch owner and operator; or

B. two years of education from an accredited postsecondary institution in technical agricultural education and 6,000 hours of occupational experience in production or operations with plants or animals on a farm or ranch as a farmer or rancher; farm or ranch manager; or farm or ranch owner and operator; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Approved
by Revisor _____

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in plant or animal science, agricultural economics, agricultural education, farm operations and management, farm business management, agricultural mechanics, vocational agriculture, veterans cooperative farm management, or farm business management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0215 DAIRY HERD MANAGEMENT LICENSE.

Subpart 1. **May teach.** A teacher who has a dairy herd management license may teach in the dairy herd management program and may also teach courses in:

A. agricultural business management, marketing, and record keeping;

B. dairy breeding, nutrition, health, and housing; and

C. marketing of milk and breeding stock.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education or animal science and 4,000 hours of occupational experience in dairy herd management; or

B. two years of education from an accredited postsecondary institution in farm operations management, animal science, or dairy herd management, and 6,000 hours of occupational experience in dairy herd management; and

Approved by Revisor _____

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in agricultural education, farm operations management, animal science, vocational agriculture, farm business management, veterans cooperative farm management, or dairy herd management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0220 LAMB AND WOOL MANAGEMENT LICENSE.

Subpart 1. **May teach.** A teacher who has a lamb and wool management license may teach in the lamb and wool management program and may also teach courses in:

A. sheep breeding, nutrition, health, and housing;

B. marketing of sheep byproducts; and

C. sheep financial management and recordkeeping.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education or animal science and 4,000 hours of occupational experience in lamb and wool management; as a farmer or rancher, farm or ranch manager, or farm or ranch owner and operator; or

B. two years of education from an accredited postsecondary institution in farm operations management or technical agriculture/animal science and 6,000 hours of

Approved by Revisor _____

occupational experience in lamb and wool management; as a farmer or rancher, farm or ranch manager, or farm or ranch owner and operator; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in vocational agriculture, farm business management, or licensed teaching experience in an approved postsecondary vocational course or program in farm operations management, veterans cooperative farm management, or lamb and wool management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0225 AGRICULTURE SUPPLIES, SALES AND SERVICE LICENSE.

Subpart 1. **May teach.** A teacher who has an agriculture supplies, sales and service license may teach in the agriculture supplies, sales and service program and may also teach courses in:

A. sale of agricultural equipment and supplies; and

B. service and maintenance of agricultural equipment.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** An applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education or technical agriculture and 4,000 hours of occupational experience in agricultural supplies, sales, and service; as a technician,

Approved by Revisor _____

owner and operator, or manager; or

B. two years of education from an accredited postsecondary institution in technical agriculture and/or agricultural sales and service and 6,000 hours of occupational experience in agricultural supplies, sales, and service; as a technician, owner and operator, or manager; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in agricultural: education; engineering; economics; supplies, sales and service; farm operations and management; soil, plant, or animal science; farm equipment mechanics; or farm business management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0230 HORSE CARE: STABLE AND BACKSTRETCH.

Subpart 1. **May teach.** A teacher who has a horse care: stable and backstretch license may teach in the horse care: stable and backstretch program and may also teach courses in:

A. horse selection and breeding;

B. horse physiology, nutrition, and health; and

C. housing and marketing of horses.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** An applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education or animal

Approved
by Revisor _____

science and 4,000 hours of occupational experience as a manager or assistant manager in horse care: training, breeding, horse barn, or stable and backstretch; or

B. two years of education from an accredited postsecondary institution in horse care: stable and backstretch or pleasure horse technology and 6,000 hours of occupational experience as a manager or assistant manager in horse care: training, breeding, horse barn, or stable and backstretch; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in agricultural education, animal science, horse care: stable and backstretch, and pleasure horse technology for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0235 AGRICULTURAL EQUIPMENT MECHANICS LICENSE.

Subpart 1. **May teach.** A teacher who has an agricultural equipment mechanics license may teach in the agricultural equipment mechanics program and may also teach courses in agricultural equipment assembly, repair, and operation.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** An applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education, agricultural mechanization, agricultural engineering, or

Approved by Revisor _____

technical agriculture and 4,000 hours of occupational experience as an agricultural equipment mechanic or block person in a dealership; or

B. two years of education from an accredited postsecondary institution in agricultural equipment mechanics, truck diesel mechanics, or heavy equipment mechanics, and 6,000 hours of occupational experience as an agricultural equipment mechanic or block person in a dealership; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in agricultural: education, mechanization, or engineering; truck diesel mechanics or heavy equipment mechanics for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0240 HORTICULTURE LICENSE.

Subpart 1. **May teach.** A teacher who has a horticulture license may teach in the horticulture program and may also teach courses in:

A. plant propagation;

B. plant health;

C. ornamental plant identification and use;

D. plant science;

E. soil science;

F. fertilizers; and

G. horticulture equipment and equipment maintenance.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part

Approved by Revisor _____

3700.0200.

Subp. 3. **Education and occupational experience requirements.** An applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in horticulture or agricultural education with at least 30 quarter credits or 20 semester credits in horticulture or horticulture science and 4,000 hours of occupational experience as a horticultural: technician; owner and operator; or manager or supervisor in greenhouse operations, nursery operations, garden store operations, or landscaping; or

B. two years of education from an accredited postsecondary institution in horticulture or landscaping and 6,000 hours of occupational experience as a horticultural: technician; owner and operator; or manager or supervisor in greenhouse operations, nursery operations, garden store operations, or landscaping; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in vocational agriculture, horticulture science, vocational horticulture, or landscaping for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0245 LANDSCAPING LICENSE.

Subpart 1. **May teach.** A teacher who has a landscaping license may teach in the landscaping program and may also teach courses in:

A. plant propagation;

B. plant health;

Approved
by Revisor _____

C. ornamental plant identification and use;

D. plant science;

E. soil science;

F. fertilizers;

G. landscaping equipment maintenance;

H. landscape design; and

I. landscape construction.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in horticulture science or agricultural education with at least 30 quarter credits or 20 semester credits in horticulture or horticulture science and 4,000 hours of occupational experience in landscaping as an architect, technician, groundskeeper, or gardener; or

B. two years of education from an accredited postsecondary institution in horticulture or landscaping and 6,000 hours of occupational experience in landscaping as an architect, technician, groundskeeper, or gardener; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary institution in horticulture science, vocational horticulture, landscaping, or vocational agriculture for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

Approved
by Revisor _____

3700.0250 NATURAL RESOURCES LICENSE.

Subpart 1. **May teach.** A teacher who has a natural resources license may teach in the natural resources program and may also teach courses in:

A. soil science; and

B. soil and water resources management.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in fisheries and wildlife, forestry, soil science, or water resource management and 4,000 hours of occupational experience in water resources technology or environmental analysis in forestry, fisheries, or wildlife: as a technician, manager, conservationist, ecologist, or naturalist; or

B. two years of education from an accredited postsecondary institution in natural resources and 6,000 hours of occupational experience in water resources technology or environmental analysis in forestry, fisheries, or wildlife: as a technician, manager, conservationist, ecologist, or naturalist; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary institution in soil science, soil and water resources management, natural resources, or forestry for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching

Approved by Revisor _____

equals one hour of occupational experience.

3700.0255 LOGGING BUSINESS MANAGEMENT LICENSE.

Subpart 1. **May teach.** A teacher who has a logging business management license may teach in the logging business management program and may also teach courses in:

A. logging business practices; and

B. agricultural financial statement analysis.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Occupational experience requirement.** The applicant must have 8,000 hours of occupational experience as a logging business operator or manager or woodlands operator or manager. The 8,000 hours may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute the education described in items A to C for up to 4,000 hours of the occupational experience required in subpart 3. The education must be from an accredited postsecondary institution. If substitution is made, the applicant must still comply with the recency requirement of part 3700.0200, subpart 2.

A. A bachelor's or higher degree in forestry, forestry science, business management, or natural resources may be substituted for 4,000 hours.

B. An associate degree in logging business management, forestry, forestry science, farm business management, business management, or natural resources may be substituted for 2,000 hours.

C. A certificate or diploma in logging business management, forest harvesting, or forest business management may be substituted, if a one-year program, for 1,050 hours and if a two-year program, for 2,100 hours.

Subp. 5. **Substitution for recent occupational experience.**

Approved
by Revisor _____

The applicant may substitute teaching experience at an accredited secondary or postsecondary institution in logging business management, forestry, forest harvesting, forest equipment maintenance, and forestry management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. Two hours of teaching equals one hour of the occupational experience.

3700.0260 FOREST HARVESTING LICENSE.

Subpart 1. **May teach.** A teacher who has a forest harvesting license may teach in the forest harvesting program and may also teach courses in forest harvesting practices and techniques.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in forestry and 4,000 hours of occupational experience in forest harvesting operations as a supervisor, manager, or logger;

B. two years of education from an accredited postsecondary institution in forestry, forest harvesting, forest equipment maintenance, or logging and 6,000 hours of occupational experience in forest harvesting operations as a supervisor, manager, or logger; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs or courses in an accredited secondary or postsecondary vocational institution in forestry, forest harvesting, forest equipment maintenance, forestry management, or logging business management

Approved by Revisor _____

for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0265 TAXIDERMY LICENSE.

Subpart 1. **May teach.** A teacher who has a taxidermy license may teach in the taxidermy program.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Occupational experience requirement.** The applicant must have 8,000 hours of occupational experience in taxidermy. The 8,000 hours may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute the education described in items A to D for up to 4,000 hours of the occupational experience required in subpart 3. The education must be from an accredited postsecondary institution. If the substitution is made, the applicant must still comply with the recency requirement of part 3700.0200, subpart 2.

A. A bachelor's or higher degree in fish and wildlife management or natural resource technology may be substituted for 4,000 hours.

B. An associate degree in fish and wildlife management or natural resource technology may be substituted for 2,000 hours.

C. A certificate or diploma in natural resource technology may be substituted, if a one-year program, for 1,050 hours and if a two-year program, for 2,100 hours.

D. The completion of courses for credit or clock hours for credit in taxidermy, bird mounting, game head mounts, federal and state laws related to taxidermy, or reptiles and

Approved by Revisor _____

amphibians may be substituted. One hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

Subp 5. **Substitution for recent occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited postsecondary vocational program in taxidermy for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

Approved
by Revisor _____

Georgia-SU PG 1744

STATE OF MINNESOTA

STATE REGISTER

DEPARTMENT OF ADMINISTRATION—DOCUMENTS DIVISION



Monday 30 March 1987

VOLUME 11, NUMBER 39

Pages 1765-1812

Other Vacancies for Which the Secretary of State has been Asked to Seek Applicants

MINNESOTA ZOOLOGICAL GARDEN BOARD

1 public member.

For additional information contact the Minnesota Zoological Garden Board, Virginia Bender, 12101 Johnny Cake Rd., Apple Valley 55123; (612) 432-9010.

State Board of Vocational Technical Education

Notice of Intent to Solicit Outside Opinion Regarding Proposed Rules Governing the Rules for Licensure of Postsecondary and Adult Vocational Technical Education Personnel

Notice is hereby given that the State Board of Vocational Technical Education is seeking information or opinions from sources outside the agency in preparing to amend Chapter 3515 Rules for Licensure of Vocational Technical Education Personnel and specifically in Agricultural occupations, Business and Office occupations, and Full Time Adult licenses. The promulgation of these rules is authorized by Minnesota Statutes § 136C.04, subd. 9 and 125.185 subd. 4.

The State Board of Vocational Technical Education requests information and comments concerning the subject matter of these rules. Interested or affected persons may submit written statements of information or comment orally. Written comments should be addressed to:

Ms. Helen Henrie
State Board of Vocational
Technical Education
565 Capital Square Bldg.
550 Cedar Street
St. Paul, MN 55101
(612) 297-4575

Ms. Georgia Pomroy
State Board of Vocational
Technical Education
558 Capital Square Bldg.
550 Cedar Street
St. Paul, MN 55101
(612) 296-0680

Oral statements will be received during regular business hours over the telephone at (612) 296-0680 and in person at the above address.

All statements of information and comments shall be accepted until 4:30 P.M., April 30, 1987. Any written material received by the State Board of Vocational Technical Education shall become part of the record in the event that the rules are amended.

Dated: 19 March 1987

Helen Henrie, Deputy Director
State Board of Vocational Technical Education

STATE OF MINNESOTA
Board of Vocational Technical Education

Office Memorandum

TO: Ron Novotny, St. Cloud AVTI

FROM: Georgia Pomroy, SBVTE

DATE: July 22, 1987

PHONE: 296-0680

SUBJECT: Agriculture Licenses

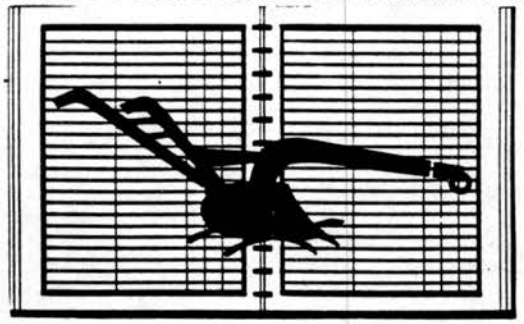
The Agricultural Occupations Licenses have completed the State Register publication on Thursday June 18, 1987 and were adopted by the State Board of Vocational Technical Education on July 13, 1987. Only two requests for a public hearing were received.

Please be advised that your concerns were addressed. Recognizing some individuals may not meet the paper credentials to qualify for licensure, but have in fact developed the knowledge and skills required via an alternate method, it is our intent to continue with the committee review process. This should allow the qualified candidate an alternate route to licensure.

Thank you for your interest and concerns in this licensing area. Please feel free to contact this office or John Murray, State Agricultural Program Specialist at 296-2337 if we can be of any further assistance.

ADULT FARM MANAGEMENT EDUCATION

ST. CLOUD AREA VOCATIONAL-TECHNICAL INSTITUTE



Helen Henrie, Deputy Director
State Board of Vocational Technical Education
565 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101
May 20, 1987

Helen:

After spending some time reviewing the rules for issuing licensures in the agriculture occupations area, I suggest strongly that we have a hearing on this matter. The licensure rules as spelled out in your proposal would virtually shut the door for any new teachers to move into the area of teaching Adult Farm Management because of the number of hours needed by a person to have served in the capacity of a farmer, rancher, or farm manager.

So, my request is for a hearing to be held on this topic before it is finalized.

Sincerely,

Gerald Novotny

Ron Novotny
Farm Operation and Management Instructor
St. Cloud AVTI
St. Cloud, MN 56301

MAY 21 1987

STATE OF MINNESOTA
Board of Vocational Technical Education

Office Memorandum

TO: Dennis Lehto, St. Cloud AVTI

FROM: Georgia Pomroy, SBVTE

DATE: July 22, 1987

PHONE: 296-0680

SUBJECT: Agriculture Licenses

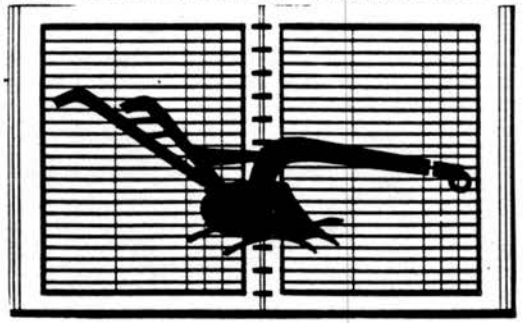
The Agricultural Occupations Licenses have completed the State Register publication on Thursday June 18, 1987 and were adopted by the State Board of Vocational Technical Education on July 13, 1987. Only two requests for a public hearing were received.

Please be advised that your concerns were addressed. Recognizing some individuals may not meet the paper credentials to qualify for licensure, but have in fact developed the knowledge and skills required via an alternate method, it is our intent to continue with the committee review process. This should allow the qualified candidate an alternate route to licensure.

Thank you for your interest and concerns in this licensing area. Please feel free to contact this office or John Murray, State Agricultural Program Specialist at 296-2337 if we can be of any further assistance.

ADULT FARM MANAGEMENT EDUCATION

ST. CLOUD AREA VOCATIONAL-TECHNICAL INSTITUTE



MAY 21 1987

Helen Henrie, Deputy Director
State Board of Vocational Technical Education
565 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101
May 21, 1987

I am requesting a public hearing on the proposed rules regarding post secondary licensure criteria for agricultural occupations, 3700.0100 to 2700.0265.

The concerns over the proposed rules change rest with section 3700.0205 Farm Business Management License, subparagraph 4A, stating "At least 3000 of the hours must be in production or operations with plants or animals on a farm or ranch as a farmer or rancher; farm or ranch manager; or farm or ranch owner and operator." The underlined portions indicate that a farm business management teacher would have to have experience in operating, managing, or owning a farm before gaining licensure to teach. If implemented as in this proposal, I would fear the following consequences from the adoption of these rules:

1. A severe shortage of licensed farm management instructors at a time when programs are expanding due to increased demand for management education during a period of financial difficulty among farm families. The numbers of available people who have 4000 hours of farm ownership or operation, plus a degree in agricultural education are extremely limited.

2. A decrease in quality of personnel teaching farm farm management. The implementation of these rules would eliminate many young, capable individuals who would not meet the criteria. It is possible that new instructors would consist primarily of farmers who have failed at farming, and chose teaching as an alternative career. A far different group from those who would choose teaching as a primary vocational goal, rather than as an alternative.

I realize that many vocational disciplines require proficiency in manual skills where an instructor must develop a high degree of proficiency before he can become a capable teacher. Management education, however, differs in that it involves more in the teaching of concepts, rather than skills. A farm management instructor must have a practical knowledge of farming, in order to "talk the language" with farmers, and realize the intricacies of many production practices. This knowledge can be gained by living on a farm or working on a farm, rather than owning or operating a farm.

The other quality that is perhaps foremost in developing a farm management instructor is the ability to work with people. This experience is of even more value than so-called "trade experience". Surprisingly enough, this experience is not addressed anywhere in the requirements for licensure.

Please consider these concerns in light of scheduling a hearing on adoption of these rules. Thank you.

Sincerely,

Dennis Lehto
Farm Business Management Instructor
St. Cloud Area Vocational-Technical Institute
1540 Northway Drive
St. Cloud, MN 56301

FARM BUSINESS MANAGEMENT (I.)

RATIONALE

1) Adjusting Subp 4 A from 3,000 hours to 2,000 hours
Subp 4 B from 1,000 hours to 2,000 hours

possibly ok

A] Farm Management instruction is tied closely to the Agriculture Industry in production and business. An allowance must be made for highly skilled personnel, such as people coming in from Farm Credit agencies. These personnel meet all requirements for be qualified to teach Farm Mgmt, when they are seeking a teaching position.

B] This broadens the base of applicants for schools to select from when hiring. The school can choose more qualified personnel when they can depend on applications from more individuals who are expert in the field.

Indary to postsecondary

II.

2) Adjusting Subp 7 Line 32: strike "for up to 1000 hours" and insert "ALL".

A] The kinds of teaching experience where Occupational experiences that are allowed ARE tightly described in areas that are consistant AND compatible with tasks of instructors already employed. It is expected that teachers from carefully described teaching professions keep technically competant at A high level of recency. They work with many farms and persons related to farms where recent technical competency is on every day event; theis by the very nature of their day to day professional responsibility they maintain a professional competence that incorporates recent technology associated with phases of production Agriculture.

2010.0700 **MINNESOTA STATE BOARD OF VOCATIONAL TECHNICAL EDUCATION**

Statement of Need and Reasonableness for the
Proposed Rules Governing the Licensure of
Postsecondary Vocational Technical Education
Personnel in Agricultural Occupations

The Statutory authority for the State Board of Vocational Technical Education to promulgate these rules is contained in Minnesota Statutes section 136C.04 subd. 9, (1986).

Rules as Proposed

Minnesota Rules 3700.0100 to 3700.0265 Postsecondary Vocational Licenses Agricultural Occupational Area.

Authority of the State Board of Vocational Technical Education to promulgate these rules is found in Minnesota Statutes Section 136C.04 Subd. 9, (1986) Powers and Duties of the Board which states:

Licensure. The State Board may promulgate rules, according to the provisions of Chapter 14, for licensure of teaching, support, and supervisory personnel in postsecondary and adult vocational education.

BACKGROUND INFORMATION

The issue of rule revision was first addressed at a meeting of the State Board of Education, Division of Vocational Technical Education (predecessor to the State Board of Vocational Technical Education) on Thursday, August 19, 1982 in Greenway A at the Hyatt Regency Hotel, 1300 Nicollet Mall, Minneapolis, Minnesota. One of the agenda items at that meeting was a presentation by Russell Beier, Director of East Grand Forks Area Vocational Technical Institute and Lyle Rahn, Director of Suburban Hennepin AVTI. Messrs. Rahn and Beier stated that the rules for licensure are extremely complex, re-assignments of personnel are difficult if not impossible, and substitute teachers are a problem. They requested that the then Division of Vocational-Technical Education be allowed to do a formal review of the rules.

Mr. Lou Smerling, a Board member, moved to direct the Division of Vocational-Technical Education to conduct a formal review of existing licensure rules to address but not be limited to the following issues:

1. The effects of vocational licensure within the bargaining units in K-14 districts;

2. The minimum qualifications of persons who have administrative responsibility and authority for vocational education decision making within K-14 districts;

3. The growing concern regarding the complexity of administering and monitoring the licensure rules;

4. The comparative relationship of postsecondary licensure in AVTIs with the procedures used by other postsecondary institutions to assure employment of qualified professional staff;

5. The implications of licensure requirements and their relationship to the governance issue; and

6. The ability of local districts to obtain qualified licensed substitutes and replacements.

The motion was seconded and carried unanimously.

In 1983, the Legislature authorized the formation of the State Board of Vocational Technical Education as the new governing board for postsecondary vocational technical education and separated postsecondary and adult vocational technical education from secondary vocational education.

The new State Board, aware of the original request for a total review and revision of licenses for postsecondary and extension instructors, support staff, and administrators, continued work on the formal revision of rules through a process which involved a general advisory committee. Represented licensed postsecondary administrators, support, supervisory staff, vocational teachers and support staff, private trade schools, Board of Teaching, State Board of Education Licensure Section, State Board of Vocational Technical Education staff, and the Minnesota Council of Vocational Technical Education served on the committee in an ex officio status. Notice of Intent to Solicit Outside Opinion regarding Proposed Rules Governing the Rules for Licensure of Vocational Education Personnel was published in the *State Register* Monday May 9, 1983. This committee formulated general licensure guidelines and procedures for selecting individuals to serve on specific committees. The committee has continued to review recommendations for rules.

A review of the existing rules suggested the licensure rules could be clarified for the benefit of interested parties. The majority of the issues identified were related to interpretation of the term relevant education, relevant occupational experience, and the use of charts to convey these and other requirements.

A Notice of Intent to Solicit Outside Opinion Regarding proposed Rules for Licensure of Vocational Education, Agricultural Occupations was published in the *State Register* Monday, April 6, 1987.

A second issue, relating to the existing licenses for instructors in the agricultural occupational area, was that an individual holding a particular license was authorized to teach only courses in the particular program represented by the title, despite expertise and knowledge in subject matter areas which were courses in other programs offered in the AVTI system. The concern regarding restrictiveness in assignment to teach in areas where the individual is qualified has been addressed in the proposed rules by expanding the teaching authority to include courses in specified subject areas which may be taught in any programs within the AVTI.

These specified subject areas in other programs are within the knowledge and expertise which can be attributed to an individual who meets the requirements of education and/or occupational experience required in the rule under which the individual is licensed.

In the proposed rules for agricultural licenses, the issues of clarity and interpretation related to relevant education and relevant occupational experience have been addressed by specifically identifying the subject focus and level of the education (degree or diploma) required for each license.

The occupational experience requirement is specifically identified by occupational title for each license.

The issues related to complexity in interpretation of information presented in licensure charts has been corrected by the format used in writing the new rules.

An analysis of the rules follows.

AGRICULTURAL OCCUPATIONS

3700.0100 TO 3700.0265

Overview of Postsecondary Agricultural Occupational Area Licenses.
Agriculture Occupational Area Licenses identify the licensure requirements for:

3700.0205	Farm Business Management
3700.0210	Farm Operations and Management
3700.0215	Dairy Herd Management
3700.0220	Lamb and Wool Management
3700.0225	Agriculture Supplies, Sales and Service
3700.0230	Horse Care: Stable and Backstretch
3700.0235	Agricultural Equipment Mechanics
3700.0240	Horticulture
3700.0245	Landscaping
3700.0250	Natural Resources
3700.0255	Logging Business Management
3700.0260	Forest Harvesting
3700.0265	Taxidermy

3700.0100 **GENERAL REQUIREMENTS FOR ALL POSTSECONDARY VOCATIONAL TECHNICAL TEACHERS**

Subpart 1. **Listed or referred to here.** Indicates an applicant must:

A Meet the requirements that are general for all applicants in the agricultural occupational area 3700.0200 and

B Meet the requirements of the specific agricultural license within that occupational area 3700.0205 to 3700.0265.

Subp. 2. **Requirements elsewhere.** Indicates that the applicant must still comply with existing rules 3515.0100 to 3515.4400 and 3515.5000. There have been no changes in these rules. They continue to apply as written.

3700.0200 **LICENSES IN THE AGRICULTURAL OCCUPATIONAL AREA.**

Subpart 1. **Listed here.** Refers to general requirements to be met by all instructors 3700.0100. No changes in rules 3515.0100 to 3515.4400 and 3515.5000.

Subp. 2. **Recent occupational experience.** This rule has been moved from licensure chart 3515.9920 and 3515.0100 Subpart 25 for agriculture occupations. The rule provides for an increase in recent occupational experience from "at least 500 hours within the five-year period immediately preceding the date of application for licensure" to "at least 1,500 hours". This increase is necessary so that the individuals teaching programs are knowledgeable with regard to changes occurring in the economy as they relate to agriculture and the changes in technology as they relate to agriculture.

This rule is reasonable because a five year time frame is allowed to meet the requirement of one half of the one year of full time employment in occupational experience.

3700.0205 TO 3700.0265 **REQUIREMENTS FOR SPECIFIC AGRICULTURAL LICENSES.**

3700.0205 to 3700.0260

Subpart 1. **May Teach.** Subpart 1 in each of these rules is new material. Each subpart 1 was added, first to clearly identify the program in which the individual in authorized to teach, and second, to identify the specific subject area which the individual is authorized to teach in other programs offered in the AVTI system. The existing licensure rules were limited to a particular agricultural occupational area. Consequently, an individual holding a particular license was authorized to teach only a component (course) of the particular program represented by the title of the license despite expertise and knowledge in subject matter areas which were components (courses) of other programs offered in the AVTI system. The new licenses expand the teaching authority to include courses in specific subject areas which might be taught in other programs within the AVTI. These specific area are drawn from the knowledge and expertise which can be attributed to an individual who meets the requirements of education and /or occupational experience as specified in the rule. This change is reasonable because it removes an artificial barrier and allows an individual to utilize expertise, knowledge and skills which are processed because of education and/or occupational experience in teaching.

Exception 3700.0265 **Taxidermy**

Subpart 1. This license does not authorized teaching subject matter in any other program. Individuals meeting the educational or occupational experience requirement of taxidermy licenses have specific knowledge and skills which could be utilized in programs which might be offered in the AVTI. However, there are no other AVTI programs or courses which are currently based on this knowledge. Therefore, no areas of expanded teaching authorization have been identified.

3700.0205 to 3700.0265 **ALL AGRICULTURAL OCCUPATIONAL AREA LICENSES**

Subp. 2. **Other requirements.** Subpart 2 in each of these rules refers to 3700.0100 general requirements and part 3700.0200 requirements within the agricultural occupational area. This part provides no new information but provides reference for the reader where the specific rule of interest does not refer to the general requirements in 3700.0100 for all instructors and the specific requirements in 3700.0200 for all agricultural area instructors.

3700.0210 to 3700.0250 and 3700.0260

Subp. 3. **Education and occupational experience requirements.** Subpart 3 in each of these rules specifies a combination of education and occupational experience to qualify for a license. The total education and occupational requirements do not differ significantly from those listed in charts contained in Minn. Rules pt. 3515.9920. They appear here in a narrative form allowing for easier interpretation by interested parties. Additional educational and occupational areas are included to represent increased opportunities in agricultural occupations and current educational opportunities. This is reasonable because it allows credit for occupation and education areas not available when the original license was written.

Exception 3700.0205 **FARM BUSINESS MANAGEMENT**

Subp. 3. **Education requirement.** The baccalaureate degree in agricultural education provides the broad and comprehensive education for this program. the requirement is reasonable because degrees from accredited institutions are available within the State.

Subp. 4. **Occupational Experience Requirement.** The occupational experience requirement identifies the job titles which will be accepted to meet the requirements. This specificity is needed to provide both the applicants and the administrator with information which will be used making application for the license. The occupational experience requirements are reasonable because they are conceptually and functionally represented in the educational program and in the occupation for which the program prepares individuals.

Subp. 5. **Incorporation by reference** identifies the National Ag Occupations Competency study used as reference in subp.4. B and subp.6.

Subp. 6. **Do not count experience in these occupations.** This subpart lists the exceptions to job titles acceptable as occupational experience in this license. The job titles listed as exceptions area are necessary to provide the applicant information about occupations which are not acceptable. The excepted references do not relate to the components as identified in Vocational Agriculture 3505.2700.

This incorporation is reasonable since the cited reference is a readily available, comprehensive document validated by a national committee of business and industry representatives from agriculture.

Exception 3700.0255 **LOGGING BUSINESS MANAGEMENT**

Subp. 3. **Occupational experience requirements.** This proposal differs from the other agricultural occupational and educational requirements in that the total experience required for licensure may be only occupational. The applicant must have been an operator or manager specifically in logging or woodlands. The rule is reasonable because the content is very specific to occupational tasks and the operator, management titles assure minimal qualifications to assure the teacher competency.

Exception 3700.0265 **TAXIDERMY LICENSE**

Subp. 3. **Occupational experience requirement.** This proposal differs from the other agricultural occupational and educational requirements in that the total experience required for licensure may be only occupational. The educational program taught is specific to taxidermy and does not cross any other program areas. Therefore, a complete working knowledge of the taxidermy field is required as an acceptable entrance level for the instructor, via working experience in the field, and only within that specified field.

3700.0210 to 3700.0250 and 3700.0260

Subp. 4. **Substitution for recent occupational experience.** Subpart 4 in each of these rules is necessary as a means of allowing teachers to expand into new or modified programs which reflect both new content areas and existing content. The utilization of teaching experience in specified programs assure that only teaching experience which is conceptually related to the new or modified program is allowed as substitute for recent occupational experience. This recognizes specific knowledge taught in current programs as applicable to new programs which contain a major portions of the same or similar content. 500 hours of recent occupational experience is still retained for the new licensure area to assure up to date industrial exposure to the new license area. This amount is reasonable because it can be attained over 5 years and is only 12 1/2 weeks.

Exception 3700.0205 **Farm Business Management**

Subp. 7. Substitution for recent occupational experience appears as Subp.7 due to the incorporation by reference in this license appearing in subp. 5 and subp. 6.

Exception 3700.0255 **LOGGING BUSINESS MANAGEMENT**
3700.0265 **TAXIDERMY LICENSE**

Substitution for recent occupational experience appears as subp. 5. due to the incorporation of substitution for occupational experience as a separate subpart in these two licenses. The incorporation appears as subp. 4. Although education is not otherwise a requirement of these two licenses certain education may substitute for some of the required occupational experience. The substitution recognizes specific educational experiences to be of value as limited substitutions for occupational experience. This is reasonable because the substitutions are limited and related directly to the occupation which is being taught.

The proposed agricultural license revisions will be implemented through existing processes and will not result in new expenditures by the school districts.

In the Matter of the Proposed Adoption of the Rule of the State Board of Vocational Technical Education Governing Licensure Criteria: Postsecondary Vocational Technical Education Agricultural Rules pt. 3700.100 to 3700.0265

AFFIDAVIT OF MAILING THE NOTICE OF INTENT TO ADOPT (A RULE WITHOUT A PUBLIC HEARING) AND CERTIFICATE OF MAILING LIST

STATE OF MINNESOTA]
] ss.
COUNTY OF RAMSEY]

Tracy A. Thayer, being sworn says:

I hereby certify that the list of persons and associations who have requested, pursuant to Minnesota Statutes, sections 14.14, subdivision 1a and 14.22 or 14.30, that their names be placed on the State Board of Vocational Technical Education rulemaking mailing list is accurate, complete and current as of this 6th day of May, 1987.

That on the 6th day of May, 1987 at the City of St. Paul, County of Ramsey, State of Minnesota, I mailed the attached Notice of Intent to Adopt [A Rule Without a Public Hearing] by depositing in the [State of Minnesota Central Mail System for United States mailing] [United States mail] a copy thereof, with postage prepaid, to all persons and associations on the aforementioned mailing list.

Tracy Thayer
[Name]

Licensing Secretary
[Title]

Subscribed and sworn to before me
this 11th day of May, 1987.

Caroline E. Wisniewski

CAROLINE E. WISNIEWSKI
NOTARY PUBLIC-MINNESOTA
DAKOTA COUNTY
MY COMMISSION EXPIRES MARCH 28, 1991

STATE OF MINNESOTA
Board of Vocational Technical Education

Office Memorandum

TO: Persons Registered with the State Board of Vocational Technical Education to Receive Notice of Any Rulemaking Proceedings

FROM: Joseph P. Graba, State Director
State Board of Vocational Technical Education

DATE: May 4, 1987

SUBJECT: Notice of Proposed Adoption of Permanent Rules

Enclosed you will find the Notice of Proposed Adoption of Rules relating to licensure criteria for:

Postsecondary Vocational Technical Education Agricultural Occupations

JPG:GP:tat

DEPARTMENT OF THE STATE BOARD OF VOCATIONAL TECHNICAL EDUCATION

In the Matter of the Proposed Adoption of the Rule of the State Board of Vocational Technical Education Governing Postsecondary Licensure Criteria, Agricultural Occupations 3700.0100 to 3700.0265

NOTICE OF INTENT TO ADOPT A RULE WITHOUT A PUBLIC HEARING

Notice is hereby given that the State Board of Vocational Technical Education intends to adopt the above-entitled rule without a pubic hearing following the procedures set forth in the Administrative Procedure Act for adopting rules without a public hearing in Minnesota Statutes, sections 14.22 to 14.28. The statutory authority to adopt the rule is Minnesota Statutes 136c.04, Subdivision 9.

All persons have 30 days until 4:30 p.m. Thursday, June 18, 1987 in which to submit comment in support of or in opposition to the proposed rule or any part or subpart of the rule. Comment is encouraged. Each comment should identify the portion of the proposed rule addressed, the reason for the comment, and any change proposed.

Any person may make a written request for a public hearing on the rule within the 30-day comment period. If 25 or more persons submit a written request for a public hearing within the 30-day comment period, a public hearing will be held unless a sufficient number withdraw their request in writing. Any person requesting a public hearing should state his or her name and address, and is encouraged to identify the portion of the proposed rule addressed, the reason for the request, and any change proposed. If a public hearing is required, the agency will proceed pursuant to Minnesota Statutes, sections 14.131 to 14.20.

Comments or written requests for a public hearing must be submitted to:

Helen Henrie, Deputy Director
State Board of Vocational
Technical Education
565 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

Georgia Pomroy, License Revision
State Board of Vocational
Technical Education
565 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

The proposed rule may be modified if the modifications are supported by data and views submitted to the agency and do not result in a substantial change in the proposed rule as noticed.

(A copy of the proposed rule is attached to this notice.)

A Statement of Need and Reasonableness that describes the need for and reasonableness of each provision of the proposed rule and identifies the data and information relied upon to support the proposed rule has been prepared and is available from Helen Henrie or Georgia Pomroy upon request.

If no hearing is required, upon adoption of the rule, the rule and the required supporting documents will be submitted to the Attorney General for review as to legality and form to the extent the form relates to legality. Any person may request notification of the date of submission to the Attorney General. Persons who wish to be advised of the submission of this material to the Attorney General, or who wish to receive a copy of the adopted rule, must submit written request to:

Helen Henrie, Deputy Director
State Board of Vocational
Technical Education
565 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

Georgia Pomroy, License Revision
State Board of Vocational
Technical Education
565 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

May 6, 1987

Helen Henrie

Helen Henrie, Deputy Director
State Board of Vocational Technical Education

AGRICULTRAL Mailing list

Dr. Ed Persons
320 Vo Tech Bldg.
U of M, St. Paul MN 55108

Dr. Gary Leske
320 Vo Tech Bldg
U of M, St. Paul MN 55108

Boyd Fuller
U of M
Technical College
Waseca MN 56093

Dwayne Eisfeld
Pipestone AVTI
North Hiawatha
Pipestone MN 56164

Andrew Marthalar
Winona AVTI
1250 Homer Rd
Winona MN 55987

Luther Severtson
Canby AVTI
1011 1st St. West
Canby MN 56220

Vern Taylor
Alexandria AVTI
1601 Jefferson St.
Alexandria MN 56308

Brant Groen
Willmar AVTI
P.O. Box 1097
Willmar MN 56201

Richard Herbeck
Canby AVTI
1011 1st St. West
Canby MN 56220

Swede Johnson
Willmar AVTI
P.O. Box 1097
Willmar MN 56201

Frank Quam
Rochester AVTI
1926 2nd St. S.E.
Rochester MN 55904

Alan Dalen
Thief River AVTI
Highway #1 E.
Thief River Falls MN 56701

Bennett Jorgensen
Healy High School
Pierz Dist.
Pierz MN 56364

Victor Richardson
Owantonna High School
333 E. School St.
Owantonna MN 55060

Micheal Foley
Melrose High School
546 5th Ave. E
Melrose MN 56352

Jim Kelm
Red Wing AVTI
Highway #58 Pioneer Rd.
Red Wing MN 55066

Peter Girard
Canby AVTI
1011 1st St. West
Canby MN 56220

Dale Sanderson
Staples AVTI
Airport Rd
Staples MN 56479

Jim Joerger
Alexandria AVTI
1601 Jefferson St
Alexandria MN 56308

Jerry Liddle
Brainerd AVTI
300 Quince St.
Brainerd MN 56401

Lowell Blom
Anoka AVTI
1355 W. Main
Anola MN 55303

Dick Robinson
Anoka AVTI
1355 W. Main
Anoka MN 55303

Dale Connolly
Dakota Co. AVTI
1300 E. 145th St.
Rosemount MN 55068

Gary A. Carson
Brainerd AVTI
300 Quince St.
Brainerd MN 56401

Ed Draggie
Duluth AVTI
2101 Trinity Rd.
Duluth MN 55811

John Banks
Rochester Public Schools
615 SW 7th Street
Rochester, MN 55092

Larry Fraser
Hutchinson AVTI
200 Century Avenue
Hutchinson, MN 55350

Lydell Taylor
St. Cloud Area Learning Centers
309 North 12th Street
St. Cloud, MN 55301

LouAnn Jopp
College of St. Benedict
St. Joseph, MN 56374

Charles R. Hopkins
Uof M VoTech Bldg.
1954 Buford Avenue
St. Paul, MN 55108

Thomas R. Braun
Internship Director
201 Headley Hall
St. Cloud University
St. Cloud, MN 56301

Gary R. Callister
Northfield High School
400 South Division Street
Northfield, MN 55057

Dr. William H. Kemp
College of industry
St. Cloud State University
St. Cloud, MN 56301

Gary Engberg
916
3300 Century Avenue North
White Bear Lake, MN 55110

William R. Lundell
807 Northeast Broadway
Minneapolis, MN 55413

Dr. William R. Force
14445 Diamond Path
Rosemount, MN 55068

Stephsnie Meinke
Farmington High School
800 Denmark Avenue
Farmington, MN 55024

James Pengra
SWTVI - Jackson Campus
401 West Street
Jackson, MN 56143

James W. Hinck, Director
Carver - Scott Cooperative Cen.
401 East 4th Street
Chaska, MN 55318

Cliff Helling
ISD #281
4701 Zealand Avenue North
New Hope, MN 55428

Clinton C. Kasma
Hopkins School District #270
1001 Highway 7
Hopkins, MN 55343

Mr. Gerald Scheer
HH29
Bemidji State University
Bemidji, MN 56601

Sue Holmes
Minnesota Vocational Assoc.
MCSC
3554 White Bear Avenue
White Bear Lake, MN 55110

Linda Zahradka
916
3300 Century Avenue
White Bear Lake, MN 55110

Dr. Mary W. Hallquist
Concordia College
Moorhead, MN 56560

Dr. Gayle A. Stetler, Chairman
Business Ed.& Admin. Management
Mankato State University
Mankato, MN 56001

Rolf W. Parsons
Northeast Metro Tech
3300 Century Avenue
White Bear Lake, MN 55110

June C. Roos
St. Cloud AVTI
1540 Northway Drive
St. Cloud, MN 56301

Rollie Boldt
theif River Falls
Highway #1
Thief River Falls, MN 56701

Karen O'Brien, Director
Dakota County Vocational Cnt.
1300 145th Street East
Rosemount, MN 55068

Ron McKeever
Dakota County AVTI
1300 145th Street East
Rosemount, MN 55068

Glenn Cleveland
Burnsville High School
600 E. Highway 13
Burnsville, MN 55337

Carl Montzka, Director
South Central Vocational Center
304 North Main
Blue Earth, MN 56013

Lynn Salisbury, Director
Oak Land Vocational Center
430 N.W. 8th Street
Cambridge, MN 55008

Ronald J. Rubado, Director
Tri-County Coop. Center #946
PO Box 657
Grand Rapids, MN 55744

Cliff Wiklund, Director
Duluth Vocational Education
Lake Avenue and 2nd St.
Duluth, MN 55802

Dean Rolfs
Minneapolis Public Schools
807 Northeast Broadway
Minneapolis, MN 55413-2398

Lynn Steenblock, Voc. Director
NISWI-NAYAWSHING Coop Center
South 13th Street and William
Montevideo, MN 56265

Cathryn Odden
Control Data
8100 34th Avenue South
Minneapolis, MN 55440

Loren Boyum. Vocational Coord.
Mid State Educational Coop.
100 SE 11th Street
Little Falls, MN 56345

George VonDrashek
IDS 622
2055 E. Larpenteur Avenue
Maplewood, MN 55109

Dr. Wade T. Swenson
Department of Industrial Studies
Moorhaed State University
Moorhead, MN 56560

Marilou Henderlite
Mahtomedia Senior High School
8000 75th Street North
St. Paul, MN 55115

Ralph Miller
Martin County Voc. Center
900 Johnson Street
Fairmount, MN 56031

LeRoy G. Mackove
Superintendent
Osakis Public Schools
Osakis, MN 56360

Ilene Olson
Box 104
Rush City, MN 55069

William Scherer
675 Southview Drive
Hutchinson, MN 55350

Vernon A. Nordaune
Austin Public Schools
301 3rd Street Northwest
Austin, MN 55912

Anthony J. Stauber
ISD #709
Lake Avenue & 2nd Street
Duluth, MN 55811

Gary McLean
U of M - Dept of Voc. Ed.
420 Vocational & Technical Bldg.
1954 Buford Avenue
St. Paul, MN 55108

Sister Johnetta Maher
The College of St. Scholastica
1200 Kenwood Avenue
Duluth, MN 55811

Department Head
U of M, Agriculture Education
320 VoTech Bldg.
1954 Buford Ave.
St.Paul, MN 55108

Bill Magajna
Hibbing AVTI
2900 East Beltline
Hibbing, MN 55746

Loretta Wolthuis
Mankato State University
Mankato, MN 56001

Jerome Moss, Jr.
U of M
1954 Buford Ave.
St. Paul, MN 55108

David J. Pucel
U of M
Vocational Education
1954 Buford Ave.
St. Paul, MN 55108

Dr. William C. Knaak
U of M VoTech Education
1954 Buford Ave.
St. Paul, MN 55108

Dr. Charles Hopkins
U of M Voctech Bldg.
1954 Buford Ave.
St. Paul, MN 55108

Dr. Richard Ashmun
U of M VoTech Bldg
1954 Buford Ave.
St. Paul, MN 55108

Dr. Judith Lambrecht
U of M VoTech Bldg.
1954 Buford Ave.
St. Paul, MN 55108

David C. Bjorkquist
U of M, Industrial Education
420 VoTech Building
1954 Buford Ave.
St. Paul, MN 55108

Shirley Davis
Esko Public Schools
ISD #99
Esko, MN 55733

Joleen Durken
Room 732 - Cap. Square
INTER OFFICE

Thomas R.Sunnarborg, Director
Center for Vocational Education
Bridgeman Hall
Bemidji State Universitu
Bemidji, MN 56601

Dr. Stephen Miletich
425 VoTech Bldg.
1954 Buford Ave.
St. Paul, MN 55108

Dr. Richard Swanson
425 VoTech Building Bldg
1954 Buford Ave.
St. Paul, MN 55108

Dr. Clinton bucher
425 Votech Bldb.
1954 VoTech Bldg.
St. Paul, MN 55108

David Reed, Director
Office of Policy Analysis
Department of Energy
9th Floor American Center Bldg.
INTER OFFICE

Ms. Sandi emmerson
425 VoTech Building
1954 Buford Ave.
St. Paul, MN 55108

Vernon A. Schultz, Supervisor
Special Education
St. Paul Schools
360 Colborne Street
St. Paul, MN 55102

Rose Anderson, Coordinator
Adult Community Education
1900 28th Avenue
Moorhead, MN 56560

Martin L. Snoke
University of Minnesota
139 Burton Hall
178 Pillsbury Drive
Minneapolis, MN 55455

Jim Mills, Coordinator
High School Vocational Center
Hutchinson, MN 55350

Dr. D. Hedtke
Assistant Vocational Director
ISD 623
15 East County Road B2
St. Paul, MN 55117

Mrs. Ardis A. Kyker
1910 West CCounty Roar B
Suite 109
Roseville, MN 55113

Dr. Howard Wynse
Business Education Dept.
Moorhead State University
Moorhead, MN 56560

Robert Hill
Staples Technical Institute
3rd Street North
Staples, MN 56479

Kenneth B. Bresin
41 Sherburne Avenue
St. Paul, MN 55103

W.D. Lindberg, Superintender
Fertile School District #59
Fertile, MN 56540

Dr. Vern thoreson
Vocational Director
Minnetonka High School
Minnetonka, MN 55345

Roger Lindroos, Director
Leaf River Valley Coop. Center
PO Box 644
Wadena, MN 56482

David W. Carroll
Staples AVTI
3rd Street North
Staples, MN 56497

Gerrie Driessen
Secondary Vocational Directc
11299 Hanson Voulevard N.W.
Coon Rapids, MN 55433

Barb Vogelsang
Business Education
Mankato State University
Box 51
Mankato, MN 56001

Rose K. Reban
St. Cloud State University
Business Education Dept.
St. Cloud, MN 56301

Ellsworth R. Holm
Jefferson Sr. High School
Alexandria, MN 56308

Leo D. Morgan, Sr.
Winona State University
Winona, MN 55987

william J. Lacroix
St. Cloud State University
Headley Hall 205
St. Cloud, MN 56301

Darrell J. Bormann
Fairbault Senior High School
330 Southwest 9th Avenue
Faribault, MN 55021

Ronald Peterson, Assoc. Prof.
320 VoTech Building
University of Minnesota
1954 Buford Ave.
St. Paul, MN 55108

Alan L. Fletcher, Director
ISD 916
3300 Century Avenue North
White Bear Lake, MN 55110

Vernon M. Vick, Coordinator
Roseville Area Schools
1252 West County Road B2
Roseville, MN 55113

Doris France
Bloomington Education Centers
8900 Portland Ave. S.
Bloomington, MN 55420

Jim Gregar
Mankato State University
Box 51
Mankato, MN 56001

Dr. Brian Ingualson
Director of Vocational Education
ISD 14, 6000 W. Moore Lake Dr.
Fridley, MN 55432

Nicholas Waldoch, Director
Pine to Prairie Coop Center
Red Lake Falls, MN 55092

GENERAL ADVISORY COMMITTEE (LICENSURE)

10/21/86

Joe Hobson
Pine City Public Schools
605 6th Street
Pine City, MN 55063

Terry Schmidt
Milaca Public Schools
500 South West 4th Street
Milaca, MN 56353

Ed Fox
Brainerd AVTI
300 Quince Street
Brainerd, MN 56401

Marge Kirchhoff, Director
Austin AVTI
1900 N. W. 8th Avenue
Austin, MN 55912

Gene Jereczek,
Campus Director
Hennepin Technical Centers
9200 Flying Cloud Drive
Eden Prairie, MN 55344

Dewain Englund
Campus Director
Southwestern VTI
Canby Campus
Canby, MN 56220

Rose Andersen, Adult Director
Moorhead AVTI
1900 28th Avenue South
Moorhead, MN 56560

Dr. Ruth Thomas
University of Minnesota
Department of Home Ec
1954 Buford Avenue
St. Paul, MN 55108

Charles DeVore, Adult Dir.
Northeast Metro Tech
3300 Century Avenue
White Bear Lake, MN 55110

Dan Kocer, Adult Dir.
Mankato AVTI
1920 Lee Blvd.
Mankato, MN 56001

Garey Knudsen
Hutchinson AVTI
200 Century Avenue
Hutchinson, MN 55350

Diane Wakefield
1533 King Court S.E.
Rochester, MN 55904

Frank Quam
Rochester AVTI
1926 S.E. 2nd Street
Rochester, MN 55901

Dennis Lescher
Northeast Metro Tech
3300 Century Avenue
White Bear Lake, MN 55110

Darlene Anderson
Anoka-Ramsey Community
College
11200 Mississippi Blvd NW
Coon Rapids, MN 55433

Bob Poupore
Dunwoody Industrial Inst.
818 Wayzata Blvd.
Minneapolis, MN 55403

Chuck Dettmann
Northwestern Electronics
825 41st Avenue NE
Columbia Heights, MN 55421

Dick Pooley, Campus Director
Southwestern VTI
Granite Falls Campus
Highway 212 West
Granite Falls, MN 56241

David Pucel
University of Minnesota
VoTech Education
1954 Buford Avenue
St. Paul, MN 55108

Gayle Stelter
Business and Office Education
Mankato State University
Box 51
Mankato, MN 56001

Bill Ardren
University of Minnesota
Duluth
Industrial and Technical Study
Duluth, MN 55812

Tom Sunnarborg
Bemidji State University
Bridgeman Hall
Bemidji, MN 56601

Jim Schnell
Willmar AVTI
Box 1097
Willmar, MN 56201

Judith Wain, Supervisor
Department of Education
611 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

John Mercer
Executive Director
State Council on Vocational
Technical Education
700 Wayzata Blvd.
Minneapolis, MN 55403

Colleen Kish Toupin
Department of Education
613 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

Betty Jo Dorchner
Rochester AVTI
Health Rep.
1926 2nd St. S. E.
Rochester, MN 55904

Barbara Purfeest
7513 Humboldt Avenue S.
Richfield, MN 55423

Larry Uhlir
2457 Dolphin Drive
St. Paul, MN 55119

Gladys Westin
St. Paul TVI
235 Marshall Ave.,
St. Paul, MN 55102

State Board of Vocational
Technical Education Staff

Mel Johnson, Asst Director
Office of Planning, Research
& Administrative Services
Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

Sharon Grossbach, Asst Dir.
Instructional & Student
Support Section
Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

JoAnn Akemann-Chein
Staff Development Specialist
Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

John Ostrem, Asst Director
Office of Budget &
Informational Services
Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

Robert Madson, Asst Director
Instructional & Student
Support Section
Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

Craig Froke, Asst Director
Instructional Services Section
Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

Georgia Pomroy
License Revision Assistant
Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

John Murray
Ag Specialist
Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

Helen Henrie
Deputy Director
Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

Jan Templin
Adult Ed Specialist
Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

Georgia see pg 2125

STATE OF MINNESOTA

STATE REGISTER

DEPARTMENT OF ADMINISTRATION—DOCUMENTS DIVISION



Monday 18 May 1987

VOLUME 11, NUMBER 46

Pages 2101-2132

State Board of Vocational Technical Education

Proposed Permanent Rules Relating to Postsecondary Vocational Licensure, Agricultural Occupations

Notice of Intent to Adopt a Rule without a Public Hearing

Notice is hereby given that the State Board of Vocational Technical Education intends to adopt the above-entitled rule without a public hearing following the procedure set forth in the Administrative Procedure Act for adopting rules without a public hearing in Minnesota Statutes, sections 14.22 to 14.28. The statutory authority to adopt the rule is Minnesota Statutes 136c.04, Subdivision 9.

All persons have 30 days until 4:30 p.m. Thursday, June 18, 1987 in which to submit comment in support of or in opposition to the proposed rule or any part or subpart of the rule. Comment is encouraged. Each comment should identify the portion of the proposed rule addressed, the reason for the comment, and any change proposed.

Any person may make a written request for a public hearing on the rule within the 30-day comment period. If 25 or more persons submit a written request for a public hearing within the 30-day comment period, a public hearing will be held unless a sufficient number withdraw their request in writing. Any person requesting a public hearing should state his or her name and address, and is encouraged to identify the portion of the proposed rule addressed, the reason for the request, and any change proposed. If a public hearing is required, the agency will proceed pursuant to Minnesota Statutes, sections 14.131 to 14.20.

Comments or written requests for a public hearing must be submitted to:

Helen Henrie, Deputy Director
State Board of Vocational Technical Education
565 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

Georgia Pomroy, License Revision
State Board of Vocational Technical Education
565 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

The proposed rule may be modified if the modifications are supported by data and views submitted to the agency and do not result in a substantial change in the proposed rule as noticed.

(A copy of the proposed rule is attached to this notice.)

A Statement of Need and Reasonableness that describes the need for and reasonableness of each provision of the proposed rule and identifies the data and information relied upon to support the proposed rule has been prepared and is available from Helen Henrie or Georgia Pomroy upon request.

If no hearing is required, upon adoption of the rule, the rule and the required supporting documents will be submitted to the Attorney General for review as to legality and form to the extent the form relates to legality. Any person may request notification of the date of submission to the Attorney General. Persons who wish to be advised of the submission of this material to the Attorney General, or who wish to receive a copy of the adopted rule, must submit written request to:

Helen Henrie, Deputy Director
State Board of Vocational Technical Education
565 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

Georgia Pomroy, License Revision
State Board of Vocational Technical Education
565 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

Dated: 5 May 1987

Helen Henrie, deputy director
State Board of Vocational Technical Education

Rules as Proposed (all new material)

3700.0100 GENERAL REQUIREMENTS FOR POSTSECONDARY VOCATIONAL TEACHERS.

Subpart 1. **Listed or referred to here.** An applicant for a license to teach postsecondary vocational courses or programs must meet the requirements listed or referred to in this part. These requirements are in addition to the requirements:

A. for teaching in a particular occupational area (listed in the first part that covers licenses in that occupational area); and

B. for the requirements for a particular license (listed under the part that covers that particular license).

Subp. 2. **Requirements elsewhere.** The applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000.

3700.0200 LICENSES IN THE AGRICULTURAL OCCUPATIONAL AREA.

Subpart 1. **Listed here.** An applicant for a license to teach postsecondary vocational courses and programs in the agricultural occupational area must meet the requirements in this part. These requirements are in addition to the requirements listed in part 3700.0100 and the requirement for a particular license (listed under the part that covers that particular license).

Subp. 2. **Recent occupational experience.** An applicant for a license to teach in the agricultural occupational area must have 1,500 hours of occupational experience within the five years just before applying for the license.

Subp. 3. **Does not apply.** Part 3515.9920 does not apply.

3700.0205 FARM BUSINESS MANAGEMENT LICENSE.

Subpart 1. **May teach.** A teacher who has a farm business management license may teach in the farm business management program and may also teach courses in:

A. agricultural financial management, marketing, and record keeping;

B. goal setting in farming and agricultural business;

C. agricultural financial statements and analysis;

D. methods of marketing crops and livestock; and

E. applied crop and livestock practices.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education requirement.** A bachelor's or higher degree from an accredited postsecondary institution in agricultural education is required for this license.

Subp. 4. **Occupational experience requirement.** The applicant must have 4,000 hours of occupational experience as described in items A and B. The 4,000 hours may include the 1,500 hours required under part 3700.0200, subpart 2.

A. At least 3,000 of the hours must be in production or operations with plants or animals on a farm or ranch as a farmer or rancher; farm or ranch manager; or farm or ranch owner and operator.

B. Up to 1,000 hours may be in an occupation that is listed in the National Ag Occupations Competency Study unless the occupation is one that is listed in subpart 6.

Subp. 5. **Incorporation by reference.** The National Ag Occupations Competency Study referred to in subparts 4 and 6 is incorporated by reference to the extent it is referred to in subparts 4 and 6. The study has the formal title "Identifying and Validating Essential Competencies Needed for Entry and Advancement in Major Agriculture and Agribusiness Occupations." The study is by David R. McClay and is dated May 16, 1978. It is published by the United States Department of Health Education and Welfare, Office of Education, Occupational and Adult Education Branch, and is for sale by the Superintendent of Documents, United States Government Printing Office, Washington, DC 20402. It is available for inspection at the central office of the State Board of Vocational Technical Education, 550 Cedar Street, Saint Paul, Minnesota 55101, and at the Government Documents Section, Room 409, Wilson Library, University of Minnesota, 309 19th Avenue South, Minneapolis, Minnesota 55454.

Subp. 6. **Do not count experience in these occupations.** Even though the occupations listed in this subpart may be listed in the National Ag Occupations Competency Study, experience with them cannot be counted as part of the occupational experience required under subpart 4.

A. Flour Miller's Assistant;

B. Cereal Grains Laborer;

C. Mill Maintenance Worker;

D. Citrus Processor;

E. Milk Processor;

F. Milk Plant Manager;

G. Butter, Ice Cream, and Cheese Maker;

KEY: PROPOSED RULES SECTION — Underlining indicates additions to existing rule language. ~~Strike outs~~ indicate deletions from existing rule language. If a proposed rule is totally new, it is designated "all new material." ADOPTED RULES SECTION — Underlining indicates additions to proposed rule language. ~~Strike outs~~ indicate deletions from proposed rule language.

H. Maintenance Engineer (Milk Plant);
I. Plant Electrician;
J. Lift Truck Operator;
K. Fruit and Vegetable Processing Industry;
L. Instrument Technician;
M. Lab Technician;
N. Plant Maintenance Mechanic;
O. Slaughterhouse Worker;
P. Retail Fish Cutter;
Q. Nut Sorter;
R. Nut Sorter Supervisor;
S. Nut Sorting Machine Operator;
T. Nut Tester;
U. Nut Sanitarian;
V. Nut Maintenance Mechanic;
W. Nut Machine Operator;
X. Egg Processor;
Y. Rice Shift Miller;
Z. Rice Huller Person;
AA. Rice Hull Maintenance Person;
BB. Sweet Potato Processor;
CC. Floriculture Delivery Person;
DD. Floral Salesperson;
EE. Air Pollution Control Inspector or Technician;
FF. Fish Conservation Officer;
GG. Fish Hatchery Worker;
HH. Fish Research Technician;
II. Zoning Compliance Officer;
JJ. Commercial Fisherman;
KK. Fisheries Technician;
LL. Campground Manager and Maintenance Person;
MM. Park Aide;
NN. Park Maintenance Person;
OO. Hunting and Fishing Guide;
PP. Water Treatment Plant Operator;
QQ. Waste Water Technician;
RR. Sawer;
SS. Sawmill Worker;
TT. Fire Ranger;
UU. Forest Fire Fighter;
VV. Forest Insect Ranger;
WW. Fire Warden;

XX. Forest Fire Suppression Crew Leader; and

YY. Maple Syrup Producer.

Subp. 7. **Substitution for occupational experience.** The applicant may substitute teaching in programs and courses at an accredited secondary or postsecondary vocational institution in plant or animal science, agricultural education, farm operations and management, veterans cooperative farm management, or farm business management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0210 FARM OPERATIONS AND MANAGEMENT LICENSE.

Subpart 1. **May teach.** A teacher who has a farm operations and management license may teach in the farm operations and management program and may also teach programs and courses in:

A. plant growth and reproduction;

B. animal production and management;

C. animal nutrition;

D. basic agricultural mechanics;

E. agricultural structures, design, and maintenance;

F. agricultural soil, water, and conservation management; and

G. agricultural financial management, marketing, and record keeping.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education, plant or animal science, agricultural economics, or technical agriculture and 4,000 hours of occupational experience in production or operations with plants or animals on a farm or ranch as a farmer or rancher; farm or ranch manager; or farm or ranch owner and operator; or

B. two years of education from an accredited postsecondary institution in technical agricultural education and 6,000 hours of occupational experience in production or operations with plants or animals on a farm or ranch as a farmer or rancher; farm or ranch manager; or farm or ranch owner and operator; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in plant or animal science, agricultural economics, agricultural education, farm operations and management, farm business management, agricultural mechanics, vocational agriculture, veterans cooperative farm management, or farm business management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0215 DAIRY HERD MANAGEMENT LICENSE.

Subpart 1. **May teach.** A teacher who has a dairy herd management license may teach in the dairy herd management program and may also teach courses in:

A. agricultural business management, marketing, and record keeping;

B. dairy breeding, nutrition, health, and housing; and

C. marketing of milk and breeding stock.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

KEY: PROPOSED RULES SECTION — Underlining indicates additions to existing rule language. ~~Strike outs~~ indicate deletions from existing rule language. If a proposed rule is totally new, it is designated "all new material." ADOPTED RULES SECTION — Underlining indicates additions to proposed rule language. ~~Strike outs~~ indicate deletions from proposed rule language.

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education or animal science and 4,000 hours of occupational experience in dairy herd management; or

B. two years of education from an accredited postsecondary institution in farm operations management, animal science, or dairy herd management, and 6,000 hours of occupational experience in dairy herd management; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in agricultural education, farm operations management, animal science, vocational agriculture, farm business management, veterans cooperative farm management, or dairy herd management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0220 LAMB AND WOOL MANAGEMENT LICENSE.

Subpart 1. **May teach.** A teacher who has a lamb and wool management license may teach in the lamb and wool management program and may also teach courses in:

A. sheep breeding, nutrition, health, and housing;

B. marketing of sheep byproducts; and

C. sheep financial management and recordkeeping.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education or animal science and 4,000 hours of occupational experience in lamb and wool management; as a farmer or rancher, farm or ranch manager, or farm or ranch owner and operator; or

B. two years of education from an accredited postsecondary institution in farm operations management or technical agriculture/animal science and 6,000 hours of occupational experience in lamb and wool management; as a farmer or rancher, farm or ranch manager, or farm or ranch owner and operator; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in vocational agriculture, farm business management, or licensed teaching experience in an approved postsecondary vocational course or program in farm operations management, veterans cooperative farm management, or lamb and wool management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0225 AGRICULTURE SUPPLIES, SALES AND SERVICE LICENSE.

Subpart 1. **May teach.** A teacher who has an agriculture supplies, sales and service license may teach in the agriculture supplies, sales and service program and may also teach courses in:

A. sale of agricultural equipment and supplies; and

B. service and maintenance of agricultural equipment.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** An applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education or technical agriculture and 4,000 hours of occupational experience in agricultural supplies, sales, and service; as a technician, owner and operator, or manager; or

B. two years of education from an accredited postsecondary institution in technical agriculture and/or agricultural sales and service and 6,000 hours of occupational experience in agricultural supplies, sales, and service; as a technician, owner and operator, or manager; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in agricultural: education; engineering; economics; supplies, sales and service; farm operations and management; soil, plant, or animal science; farm equipment mechanics; or farm business management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0230 HORSE CARE: STABLE AND BACKSTRETCH.

Subpart 1. **May teach.** A teacher who has a horse care: stable and backstretch license may teach in the horse care: stable and backstretch program and may also teach courses in:

A. horse selection and breeding;

B. horse physiology, nutrition, and health; and

C. housing and marketing of horses.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** An applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education or animal science and 4,000 hours of occupational experience as a manager or assistant manager in horse care: training, breeding, horse barn, or stable and backstretch; or

B. two years of education from an accredited postsecondary institution in horse care: stable and backstretch or pleasure horse technology and 6,000 hours of occupational experience as a manager or assistant manager in horse care: training, breeding, horse barn, or stable and backstretch; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in agricultural education, animal science, horse care: stable and backstretch, and pleasure horse technology for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0235 AGRICULTURAL EQUIPMENT MECHANICS LICENSE.

Subpart 1. **May teach.** A teacher who has an agricultural equipment mechanics license may teach in the agricultural equipment mechanics program and may also teach courses in agricultural equipment assembly, repair, and operation.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** An applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in agricultural education, agricultural mechanization, agricultural engineering, or technical agriculture and 4,000 hours of occupational experience as an agricultural equipment mechanic or block person in a dealership; or

B. two years of education from an accredited postsecondary institution in agricultural equipment mechanics, truck diesel mechanics, or heavy equipment mechanics, and 6,000 hours of occupational experience as an agricultural equipment mechanic or block person in a dealership; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

KEY: PROPOSED RULES SECTION — Underlining indicates additions to existing rule language. ~~Strike outs~~ indicate deletions from existing rule language. If a proposed rule is totally new, it is designated "all new material." ADOPTED RULES SECTION — Underlining indicates additions to proposed rule language. ~~Strike outs~~ indicate deletions from proposed rule language.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in agricultural: education, mechanization, or engineering; truck diesel mechanics or heavy equipment mechanics for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0240 HORTICULTURE LICENSE.

Subpart 1. **May teach.** A teacher who has a horticulture license may teach in the horticulture program and may also teach courses in:

A. plant propagation;

B. plant health;

C. ornamental plant identification and use;

D. plant science;

E. soil science;

F. fertilizers; and

G. horticulture equipment and equipment maintenance.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** An applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in horticulture or agricultural education with at least 30 quarter credits or 20 semester credits in horticulture or horticulture science and 4,000 hours of occupational experience as a horticultural: technician; owner and operator; or manager or supervisor in greenhouse operations, nursery operations, garden store operations, or landscaping; or

B. two years of education from an accredited postsecondary institution in horticulture or landscaping and 6,000 hours of occupational experience as a horticultural: technician; owner and operator; or manager or supervisor in greenhouse operations, nursery operations, garden store operations, or landscaping; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary vocational institution in vocational agriculture, horticulture science, vocational horticulture, or landscaping for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0245 LANDSCAPING LICENSE.

Subpart 1. **May teach.** A teacher who has a landscaping license may teach in the landscaping program and may also teach courses in:

A. plant propagation;

B. plant health;

C. ornamental plant identification and use;

D. plant science;

E. soil science;

F. fertilizers;

G. landscaping equipment maintenance;

H. landscape design; and

I. landscape construction.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in horticulture science or agricultural education with at least 30 quarter credits or 20 semester credits in horticulture or horticulture science and 4,000 hours of occupational experience in landscaping as an architect, technician, groundskeeper, or gardener; or

B. two years of education from an accredited postsecondary institution in horticulture or landscaping and 6,000 hours of occupational experience in landscaping as an architect, technician, groundskeeper, or gardener; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary institution in horticulture science, vocational horticulture, landscaping, or vocational agriculture for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0250 NATURAL RESOURCES LICENSE.

Subpart 1. **May teach.** A teacher who has a natural resources license may teach in the natural resources program and may also teach courses in:

A. soil science; and

B. soil and water resources management.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in fisheries and wildlife, forestry, soil science, or water resource management and 4,000 hours of occupational experience in water resources technology or environmental analysis in forestry, fisheries, or wildlife: as a technician, manager, conservationist, ecologist, or naturalist; or

B. two years of education from an accredited postsecondary institution in natural resources and 6,000 hours of occupational experience in water resources technology or environmental analysis in forestry, fisheries, or wildlife: as a technician, manager, conservationist, ecologist, or naturalist; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs and courses at an accredited secondary or postsecondary institution in soil science, soil and water resources management, natural resources, or forestry for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0255 LOGGING BUSINESS MANAGEMENT LICENSE.

Subpart 1. **May teach.** A teacher who has a logging business management license may teach in the logging business management program and may also teach courses in:

A. logging business practices; and

B. agricultural financial statement analysis.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Occupational experience requirement.** The applicant must have 8,000 hours of occupational experience as a logging business operator or manager or woodlands operator or manager. The 8,000 hours may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute the education described in items A to C for up

KEY: PROPOSED RULES SECTION — Underlining indicates additions to existing rule language. ~~Strike outs~~ indicate deletions from existing rule language. If a proposed rule is totally new, it is designated "all new material." ADOPTED RULES SECTION — Underlining indicates additions to proposed rule language. ~~Strike outs~~ indicate deletions from proposed rule language.

to 4,000 hours of the occupational experience required in subpart 3. The education must be from an accredited postsecondary institution. If substitution is made, the applicant must still comply with the recency requirement of part 3700.0200, subpart 2.

A. A bachelor's or higher degree in forestry, forestry science, business management, or natural resources may be substituted for 4,000 hours.

B. An associate degree in logging business management, forestry, forestry science, farm business management, business management, or natural resources may be substituted for 2,000 hours.

C. A certificate or diploma in logging business management, forest harvesting, or forest business management may be substituted, if a one-year program, for 1,050 hours and if a two-year program, for 2,100 hours.

Subp. 5. **Substitution for recent occupational experience.** The applicant may substitute teaching experience at an accredited secondary or postsecondary institution in logging business management, forestry, forest harvesting, forest equipment maintenance, and forestry management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. Two hours of teaching equals one hour of the occupational experience.

3700.0260 FOREST HARVESTING LICENSE.

Subpart 1. **May teach.** A teacher who has a forest harvesting license may teach in the forest harvesting program and may also teach courses in forest harvesting practices and techniques.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Education and occupational experience requirements.** The applicant must have:

A. a bachelor's or higher degree from an accredited postsecondary institution in forestry and 4,000 hours of occupational experience in forest harvesting operations as a supervisor, manager, or logger;

B. two years of education from an accredited postsecondary institution in forestry, forest harvesting, forest equipment maintenance, or logging and 6,000 hours of occupational experience in forest harvesting operations as a supervisor, manager, or logger; and

C. the occupational experience required in items A and B may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute teaching experience in programs or courses in an accredited secondary or postsecondary vocational institution in forestry, forest harvesting, forest equipment maintenance, forestry management, or logging business management for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

3700.0265 TAXIDERMY LICENSE.

Subpart 1. **May teach.** A teacher who has a taxidermy license may teach in the taxidermy program.

Subp. 2. **Other requirements.** The applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the agricultural occupational area under part 3700.0200.

Subp. 3. **Occupational experience requirement.** The applicant must have 8,000 hours of occupational experience in taxidermy. The 8,000 hours may include the 1,500 hours required under part 3700.0200, subpart 2.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute the education described in items A to D for up to 4,000 hours of the occupational experience required in subpart 3. The education must be from an accredited postsecondary institution. If the substitution is made, the applicant must still comply with the recency requirement of part 3700.0200, subpart 2.

A. A bachelor's or higher degree in fish and wildlife management or natural resource technology may be substituted for 4,000 hours.

B. An associate degree in fish and wildlife management or natural resource technology may be substituted for 2,000 hours.

C. A certificate or diploma in natural resource technology may be substituted, if a one-year program, for 1,050 hours and if a two-year program, for 2,100 hours.

D. The completion of courses for credit or clock hours for credit in taxidermy, bird mounting, game head mounts, federal and state laws related to taxidermy, or reptiles and amphibians may be substituted. One hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

Subp. 5. **Substitution for recent occupational experience.** The applicant may substitute teaching experience in programs and

courses at an accredited postsecondary vocational program in taxidermy for up to 1,000 of the 1,500 hours of recent occupational experience required under part 3700.0200, subpart 2. The teaching must be done during the three years just before applying for the license. Two hours of teaching equals one hour of occupational experience.

OFFICIAL NOTICES

Pursuant to the provisions of Minnesota Statutes § 14.10, an agency, in preparing proposed rules, may seek information or opinion from sources outside the agency. Notices of intent to solicit outside opinion must be published in the *State Register* and all interested persons afforded the opportunity to submit data or views on the subject, either orally or in writing.

The *State Register* also publishes other official notices of state agencies, notices of meetings, and matters of public interest.

Department of Finance

Maximum Interest Rate for Municipal Obligations in May

Pursuant to Minnesota Statutes, Section 475.55, Subdivision 4, Commissioner of Finance, Jay Kiedrowski, announced today that the maximum interest rate for municipal obligations in the month of May would be nine (9) percent per annum. Obligations which are payable wholly or in part from the proceeds of special assessments or which are not secured by General Obligations of the municipality may bear an interest rate of up to ten (10) percent per annum.

Dated: 1 May 1987

Peter Sausen, Assistant Commissioner
Cash and Debt Management
State of Minnesota
Department of Finance
(612) 296-8372

Minnesota Pollution Control Agency

Notice of Intent to Solicit Outside Information Regarding Proposed Rules Governing Air Quality and Water Quality Permit Fees and Hazardous Waste Facility and Generator Fees

Notice is hereby given that the Minnesota Pollution Control Agency (Agency) is seeking information or opinions from outside sources in preparing to propose the amendment of rules governing air quality permit fees, Minn. Rules Parts 7002.0010 to 7002.0110; water quality permit fees, Minn. Rules Parts 7002.0210 to 7002.0310; and hazardous waste facility and generator fees, Minn. Rules 7046.0010 to 7046.0050. The amendment of the rules is authorized by Minn. Stat. §§ 116.07, subd. 4d, 116.12, and 16A.128 (1986).

The Agency requests information and opinions concerning the subject matter of the rules. Interested persons or groups may submit data or views in writing or orally. Comments concerning **air quality permit fees** should be directed to:

Ahto Niemioja
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, MN 55155
Telephone: (612) 296-7485

KEY: PROPOSED RULES SECTION — Underlining indicates additions to existing rule language. ~~Strike outs~~ indicate deletions from existing rule language. If a proposed rule is totally new, it is designated "all new material." ADOPTED RULES SECTION — Underlining indicates additions to proposed rule language. ~~Strike outs~~ indicate deletions from proposed rule language.

RECD JUL 14 1987

CERTIFICATE OF THE STATE OF MINNESOTA
STATE BOARD OF VOCATIONAL TECHNICAL EDUCTION
RESOLUTION ADOPTING THE RULE

I, Norma McKenna, do hereby certify that I am a member and the President of the State Board of Vocational Technical Eduction, duly authorized under the laws of the State of Minnesota, and that the following is a true, complete, and correct copy of a resolution adopted at a meeting of the State Board of Vocational Technical Education, duly and properly called and held on the 13th day of July, 1987, that a quorum was present, and that a majority of those present voted for the resolution which has not been rescinded or modified.

"Resolved that the rules relating to Postsecondary Vocational Education Licensure of Teachers, Agriculture Occupations 3700.0200 to 3700.0265 are approved and adopted, pursuant to the authority vested in the Minnesota State Board of Vocational Technical Education by Minnesota Statutes 136 C.04 (1985). Helen Henrie, the Deputy Director of the State Board of Vocational Technical Education , is authorized to sign the findings of fact, conclusions, and order adopting the rule and further is authorized to modify the rule if necessary to obtain the approval of the rule by the attorney general and to perform the necessary acts to provide that the rule shall have the force and effect of law.

IN WITNESS WHEREOF, I have hereunto subcribed my name this 13th day of July, 19 87.

Norma McKenna

Officer of the Board

Attest by one other Board member

STATE OF MINNESOTA
DEPARTMENT OF VOCATIONAL TECHNICAL EDUCTION

In the Matter of the Proposed Adoption of the Rule of the State of Minnesota Governing Postsecondary Vocational Education Licensure of Teachers, Agriculture Occupations 3700.0200 to 3700.0265.

FINDINGS OF FACT, CONCLUSIONS, AND ORDER ADOPTING RULE WITHOUT PUBLIC HEARING

Notice of the Board's intent to adopt the above-entitled rule was published in the State Register on Monday, May 18, 1987 and was sent by United States mail to all persons on the list maintained by the agency pursuant to Minnesota Statutes, sections 14.14, subdivision 1a and 14.22 on May 6, 1987. The statement of need and reasonableness was prepared before the Notice of Intent to Adopt a Rule Without a Public Hearing was mailed to all persons on the rulemaking mailing list and published in the State Register and was available to the public.

All persons were given the opportunity to submit comment on the rule for 30 days after notice of proposed rulemaking. The agency received two requests for a public hearing. Therefore, the agency did not receive request for a public hearing from 25 or more persons which were not withdrawn.

No requests for notice of submission to the Attorney General were received by the agency.

Based on the comments and evidence in the record before the agency, I find the following:

The above-captioned rule is needed and reasonable.

NOW, THEREFORE, IT IS ORDERED that the rule identified as Postsecondary Vocational Education Licensure of Teachers, Agriculture Occupations 3700.0200 to 3700.0265 is adopted this 13th day of July, 1987, pursuant to authority vested in the Board by Minnesota Statues, section 136.04, Subdivision 9.

Helen Henrie 7/21/87
Helen Henrie Date
Deputy Director
State Board of Vocational Technical Education

In the Matter of the proposed Adoption of Rules of the State of Minnesota Relating to Postsecondary Vocational Education Licensure of Teachers, Agriculture Occupations 3700.0200 to 3700.0265.

STATEMENT OF COMPLIANCE WITH RULEMAKING PROCEDURES

I, Special Assistant Attorney General Charles T. Mottl,

do hereby declare that I have examined the rules and all related documents and that, based on my examination and my personal familiarity with the applicable procedures, the Administrative Procedure Act, the rules of the Office of Administrative Hearings, and the rules of the Attorney General have been followed. Any exceptions are noted below.

Charles T. Mottl

Special Assistant Attorney General

Dated: 8/3/87

STATE OF MINNESOTA
STATE BOARD OF VOCATIONAL TECHNICAL EDUCATION

In the Matter of the Proposed
Rules of the State of Minnesota Governing
Licensure Criteria, Postsecondary
Vocational Technical Education Agricultural
Occupations Licensure Rules Minnesota
Rules Pt. 3700.0100 to 3700.0265

ORDER FOR
PUBLICATION OF
PROPOSED RULES

IT IS ORDERED this 18TH day of May, 1987, that proposed adoption of proposed rules in the above-entitled matter be published in the State Register.

STATE OF MINNESOTA

Helen Henrie

Deputy Director of
The State Board of Vocational
Technical Education