

Clay County (Minn.): Independent School District No. 152 (Moorhead).

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RICT NO. 152
ESOTA

meeting of the Moorhead

INDEPENDENT SCHOOL DISTRICT NO. 152
MOORHEAD, MINNNESOTA

Notice is hereby given that a regular meeting of the Moorhead Board of Education will be held on <u>Tuesday</u>, <u>October 24</u>, 1989 at 7:00 p.m. in the Board Room at Townsite Centre.

Bennett Trochlil, Superintendent

#### MISSION STATEMENT

To maximize the talents of every student in Independent School District Number 152.

#### ATTENDANCE:

Wayne Alexander	Anton Hastad
A. C. Borgen	Allen Lund
James Cummings	Jeanne Seigel
Douglas Fagerlie	Bennett Trochlil

- I. CALL TO ORDER
- II. PLEDGE OF ALLEGIANCE
- III. PREVIEW OF AGENDA Bennett Trochlil, Superintendent
- \*IV. CONSENT AGENDA
  - \*All items listed with an asterisk (\*) are considered to be routine by the School Board and will be enacted by one motion. There will be no separate discussion of these items unless a Board member or citizen so requests, in which event the item will be considered in its normal sequence on the agenda.

Moved	bу	4	Seconded	bу	1
Commer	nts				

- V. COMMUNICATIONS
- VI. OPPORTUNITY FOR COMMUNITY/STAFF TO SPEAK
  - Jim Ellingson, recently named "Minnesota Teacher of the Year", will give a presentation on his award.

#### VII. "WE ARE PROUD"

 Judy Christoffersen, Robert Asp, has been named Minnesota Art Educator of the Year.

10.04,89

	2.	Alan Swedberg, Special Services Director, was appointed by Governor Rudy Perpich to the State Interagency Coor- dinating Council for disabled children .
III.	COM	MITTEE REPORTS
	<u>PER</u>	- Cummings
IX.	MOO	RHEAD TECHNICAL COLLEGE AGENDA
	Α.	UNFINISHED BUSINESS
	В.	NEW BUSINESS
х.	PRE	-SCHOOLK - GRADE 12 PROGRAMCOMMUNITY EDUCATION
	Α.	UNFINISHED BUSINESS
	1.	Consider Child Care (Trochlil) Appendix $\underline{A}$ Center
		Explanation: The recommendations are being studied. A recommendation will be forthcoming at this meeting or at the November 14 meeting.
	в.	NEW BUSINESS
	*1.	Consider TMH Classroom (Lacher) Appendix $\underline{B}$ Remodeling - Junior High
		$\underline{\mathtt{Explanation}}$ : The change order request is for:
		<ol> <li>Revised cabinet layout         Add\$384.64</li> <li>For addition of lights to tunnel</li> </ol>
		Add\$116.15 Total add\$500.79
		Recommendation: Move to approve change order #1 as shown.
		Moved bySeconded by
	*2.	
		Explanation: The change order request is for:
		1. Deduct for final clean up\$100.00
		Recommendation: Move to approve change order #4 as shown.
		Moved bySeconded by
		· · · · · · · · · · · · · · · · · · ·

* 3	Consider Lease - (Lacher) Appendix D
	Eventide Lutheran Home
	Explanation: Appendix D-l is the contract between
	Eventide Lutheran Home and Moorhead Technical College
	for Training For 75 Hour Nurses Aides Course (Appendix
	D-1).
	Recommendation: Move to approve the contract as shown.
	Moved bySeconded by
	Comments
*4.	Consider Donation (Trochlil) Appendix E
	Explanation: Probstfield Elementary is in receipt of
	$\frac{1}{51,500.00}$ from Nash Finch Company for the purchase of
	their fourth computer.
	their routen compater.
	Recommendation: Move to accept the donation of
	\$1,500.00 and direct a letter of thanks be sent.
	Moved by Seconded by
	Comments
*5.	Consider Donation (Trochlil) Appendix F
	Explanation: A donation of \$265 has been made to the
	Profoundly Mentally Handicapped Program on behalf of
	Special Olympics for equipment to be used within the
	program.
	Recommendation: Move to accept the donation and
	direct a letter of thanks be sent to Special Olympics
	in care of Lowell Bolger.
	Variable Concented by
	Moved by Seconded by
*6.	Consider Truth in (Trochlil) Appendix G
	Taxation for Payable
	1990 Hearing
	Explanation: The last day for the School District to
	certify the property tax levy is November 15. The
	administration's plan was to have the hearing on
	Tuesday, October 24. The district hasn't received the
	state's levy sheets.
	As a result, the Truth and Taxation Hearing will be
	scheduled for Tuesday, November 14.
	Recommendation: Move to approve Tuesday, November 14
	for the hearing for the Truth in Taxation for Payable 1990
	Total mediting for the first in familiar for fayable 1999
	Moved bySeconded by

\*7. Consider Trust (Lacher) Appendix H Transfers Explanation: Approval is requested for trust transfers as shown in Appendix H-1. Recommendation: Move to approve the trust transfers as shown. Moved by \_\_\_\_\_Seconded by \_\_\_\_\_ Comments \_\_\_\_\_ \*8. Consider Tuition (Swedberg) Appendix I Contract Explanation: Appendix I-1 is the contract from Beach Public School District #3, Beach, North Dakota. This contract, in the amount of \$900.00, covers all costs of educating a secondary student. The cost to the school district will be \$150.00 after foundation aids have been received. Recommendation: Move to approve the tuition contract with Beach School District. Moved by \_\_\_\_\_Seconded by \_\_\_\_\_ \*9. Consider Moorhead (Andersen) Appendix J Community Education Grants Explanation: Community Education has received the following grants: Adult Basic Education Grant Amount of Grant \$59,663.00 State Aid 16,114.98 Federal Grant Refugee Employment Related English 13,000.00 Language Training Recommendation: For your information \*10. Consider Moorhead (Andersen) Appendix K Technical College Grants Explanation: The Moorhead College Adult Extension Department has received the following grants: Quality and Productivity

Amount of Grant
S10.375.00 4,900.00 Firefighter Tuition Subsidy 600.92 Haz Mat

Recommendation: For your information

. 11	. Consider Supervision (Seigel) Appendix L Extended Day Policy (Code: IICA-A)
	Explanation: The policy was presented at the October 10 meeting for the first reading. Appendix L-1 is the final draft.
	Recommendation: Move to approve the Supervision Extended Day Policy as shown.
	Moved by Seconded by Comment
1 2	. Consider Medication (Seigel) Appendix M Policy (Code: JHCD)
	$\frac{\text{Explanation}}{10 \text{ meeting}}$ : The policy was presented at the October $\frac{10 \text{ meeting}}{10 \text{ meeting}}$ for the first reading. Appendix M-1 is the final draft.
	$\underline{\underline{\mathtt{Recommendation}}}$ : Move to approve the Medication Policy as shown.
	Moved by Seconded by Comment
13	. Consider Personnel (Bergen) Appendix N
	Maternity Leave Randi Stutrud - Early Childhood Special Education Teacher - Riverside, effective approximately January 3, 1990, for six to eight months
	New Employees Caroline Owens - Food Server - Riverside, 1 3/4 hours per day, \$4.61 per hour, effective October 3, 1989
	Shelly Langeberg - Food Server, Washington, 21/4 hours daily, \$4.61 per hour, effective September 25, 1989
	General Dalen - Custodian, Moorhead Technical College, Al2, \$6.49 per hour, effective October 19, 1989
	Jody Bauer - Systems Operator, Al3, \$6.77 per hour, effective October 11, 1989
	Recommendation: Move to approve the personnel changes as shown.
	Moved bySeconded by Comments

14.	Consider Handicapped (Trochlil) Appendix O Accessibility - High School
	$\underline{\mathtt{Explanation}}$ : The Board will have to choose dates for Julie Quarve-Peterson to come to review the study.
	Recommendation:
	Moved bySeconded by
15.	Consider Youth (Andersen) Appendix P Development Plan
	Explanation: In order to levy Youth Development funds, the Board of Education must approve a Youth Development Plan. A brief initial plan was approved on October 25, 1988. A revised plan, the result of a task force working over several months, is now pre-
	sented (Appendix P-1). This plan will guide Community Education's youth activities during 1989-90.
	Recommendation: Move to approve the Youth Development Plan as revised.
	Moved bySeconded by
16.	Review Special (Trochlil) Appendix Q Meetings for Fall and Winter
	Explanation: Refer to Memo #S-90-42R (Appendix Q-1).
	Recommendation:  Fall - Friday, December 1 (6:30 - 10:00 p.m.)  - Saturday, December 2 (8:30 - 2:30 p.m.)
	<u>Winter</u> - Friday, February 9 and Saturday, February 10 (same times as above)
	Moved bySeconded by
17.	Consider Joint Meeting (Trochlil) Appendix R
	Explanation: The City Council has set a suggested meeting date with the School District and the Park Board for Tuesday, November 21, 1989, (tentatively at 7:00 p.m.) in the Board Room at Townsite Centre.
	Recommendation: Move to approve the joint meeting date as shown.
	Moved by Seconded by

#### XI. FOR YOUR INFORMATION

- U.S. Department of Agriculture Notice of Right to Petition Candidates For Community ASC Election -Appendix Z-1
- 2. Futures Article Appendix Z-2

#### CALENDAR OF EVENTS

<u>Event</u>	<u>Date</u>	<u>Time</u>	<u>Place</u>
MSBA Management Service Seminar	Mon., Oct. 23	All Day	Holiday Inn - D.L.
Policy Review	Mon., Oct. 23	7:00 p.m.	Townsite
Wake Up To Moorhead (City Manager's Report)	Tues., Oct. 24	7:30 a.m.	Days Inn
Long Range Planning	Tues., Oct. 24	4:30 - 6:00 p.m.	Townsite
IBM User Group	Wed., Oct. 25- Fri., Oct. 27		Moorhead
Superintendent's Advisory Council	Thurs., Oct. 26	7:00 p.m.	Trochlil's
City Election Day	Tues., Nov. 7		
City/School Board/ Park Board Meeting	Mon., Nov. 21	7:00 p.m.	Townsite
Restructuring Upper Midwest	Mon., Nov. 13 & Tues., Nov. 14		NDSU

XII. OTHER PERTINENT ITEMS TO COME BEFORE THE BOARD OF EDUCATION

#### XIII. ADJOURNMENT



1405 7th Street South Moorhead, Minnesota 56560 (218) 233-7508

October 2, 1989

#### LETTER OF UNDERSTANDING

BETWEEN EVENTIDE LUTHERAN HOME AND MOORHEAD TECHNICAL COLLEGE

#### REGARDING TRAINING FOR 75 HOUR NURSES AIDES COURSE

#### TIME PERIOD

The LETTER OF UNDERSTANDING between Eventide and Moorhead Technical College shall be for the time period of September 1989 through June 1990.

#### RENT

The rent for the period of time from September through November shall be \$250. Starting in January 1990 the rent will be \$125. per month through the month of June.

#### INCIDENTAL COSTS

For the period of September through November all linen costs will be reimbursed by the college to Eventide.

All linen laundering costs will be included in the rental fee from January through June 1990.

#### SPACE

The classroom and clinical laboratory shall be available for the scheduled classes included in the program. These spaces will also be available for other health related programs, such as Home Health Aide classes, on a scheduled basis.

A rear entrance is provided for students.

#### CLINICAL RATIO

The clinical ration of instructor to student shall be no more than 1 instructor to 10 students.

#### EQUIPMENT

MTC will provide all beds and equipment for the classes. MTC will provide the linens and ELH will launder those linens.

#### CLASS SCHEDULE

A schedule shall be provided for dates of all scheduled program usage by MTC for the space.

At least four scheduled classes will be conducted during the year. When a student availability of at least 10 students is present another class will be held. Eventide could ask for a class if they need one with under 10 students but will pay for 10 students for both the didactic and laboratory portions. Two weeks notice shall be given to MTC to alert instructors. Local Nursing Homes may cooperate on the number of students to make up a class compliment.

#### NO SMOKING POLICY

Eventide has a no smoking policy on its grounds for all employees and visitors.

#### CERTIFICATE OF INSURANCE

The school district agrees to provide liability insurance to protect and indemnify Eventide Lutheran Home from any and all claims for injury or damages incurred by virtue of the school districts use of the facility under this agreement, but, in any event, it shall not provide for personal injury liability injury of no less than \$600,000.00 per occurrence; Eventide Lutheran Home agrees to provide reasonably safe condition. Nothing in this lease shall be deemed to limit or abrogate this duty of Eventide Lutheran Home.

#### CANCELLATION

SIGNATURES

This agreement shall be able to be terminated by either party with 30 days notice in writing.

MOORHEAD TECHNICAL COLLEGE	EVENTIDE LUTHERAN HOME
	theon M Examples
DATE	- Heridons
	989 Judah

### MODRHEAD PUBLIC SCHOOLS

TRANSFERS TO/FROM TRUST ACCOUNT From August 22, 1989 to October 16, 1989

DATE	Transfers from checking TO TRUST	Transfers FROM TRUST to checking
08-22-89	\$ 400,000	•
08-31-89		300,000
09-08-89	600,000	
09-15-89		300,000
10-16-89		100,000

# BEACH PUBLIC DISTRICT SCHOOL TUITION AGREEMENT

School Year 19 89-90

ach group)			
. <u>Jesse Cusey</u>	Gr. <u>1</u>	5	Gr
	Gr.	6.	Gr.
	c c	7	
	Gr .	7 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /	Ur.
•	Gr	8.	Gr
ho are residents of ounty, Moorhead, MN chool, Beach Public Schakota. The amount to be pupil after credit ayments from the State S.B. 2026, 1975 Session	MerthxDaket lool District # de charged by t for school taxe General Fund a	w, shall be admit 3, Golden Valley he admitting dist s and credit for nd County Equaliz	ted Beach High County, Beach, North rict shall be \$ 3,900. Foundation Program ation Funds are given.
pecial Education charge	s will be adde	d if the student	requires those service
omments:			
omments:		N.	
Omments:	uct		
ADMITTING DISTR	Gold	en Valley Bounty	Town
ADMITTING DISTR Peach School District #3 Public School District	Gold		
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ADMITTING DISTREACH School District #3 Public School District ate:	Gold Co	SIDE Moorh	Town  Clerk  Clerk

ADMINISTRATIVE POLICY OF THE MOORHEAD PUBLIC SCHOOLS

DISTRICT CODE: IICA - A DATE ADOPTED: 10-24-89

#### SUPERVISION EXTENDED DAY (K-12)

Field trips and other student activities involving travel may be authorized by the School Board or designated administrator when such trips or activities contribute substantially to the achievement of desirable educational goals. In planning and authorizing such trips, primary consideration shall be given the educational values to be derived and the safety and welfare of the students involved.

The Board expects all students to be under assigned adult supervision at all times when engaged in school-sponsored activities. No teacher or other staff member will leave his/her group unsupervised except as an arrangement has been made to take care of an emergency.

To insure adequate supervision, the activity coach/advisor is responsible for the following:

Assure that the student/adult chaperone ratio is 1) adequate

Follow emergency procedures if necessary as outlined by 2)

the activities office or building principal.

Providing the activities director or principal and parents/quardian with relevant information either prior to the season or before an individual field trip as necessary. This includes:

> A roster of students Trip itinerary List of chaperones List of special needs students and steps to accommodate them Name of motel or other overnight accommodation Emergency phone numbers at the destination

A form is provided in each school's office.

Coaches and advisors will review expectations of conduct with students in advance of travel. The expectations of students outlined in the District 152 Discipline Handbook are in effect 24 hours a day for the duration of the trip. If a student misbehaves his/her parents will be contacted and appropriate actions taken.

When engaged in school sponsored activities, students will be released only at the request of parents.

POLICY OF THE MOORHEAD, MN BOARD OF EDUCATION DISTRICT CODE: JHCD
DATE ADOPTED: 10-24-89

#### MEDICATION

Parents have the major responsibility for administering medication to their children. Independent School District No. 152 strongly recommends that required medication be administered in the home. If this is not possible, parents are encouraged to come to school to administer medication to their children. If, under exceptional circumstances, a child is required to take medication during school hours and a parent cannot come to school to administer medication, the licensed school nurse or willing designee of the school nurse will administer the medication in compliance with the following:

- No prescription medication or drugs or medicine that may be purchased without a prescription will be administered during the school day by school personnel unless prescribed by a licensed prescriber and an authorization is signed by the student's parent or guardian (refer to administrative policy JHCD-A).
- 2. Administration of medication by school personnel must be done according to the written order of a licensed prescriber and the written authorization of a parent or guardian. Authorization forms for administration of medication are available at the principal's office or health office of each school. New request forms must be submitted on a yearly basis or whenever there is a change in medication and/or frequence of medication.
- 3. Prescription medication must be brought to school in a container with a label prepared by a pharmacist. Medication that may be purchased without a presciption must be brought to school in the original container labeled with the student's name and dosage.
- 4. The school nurse principal in each building shall appoint an individual the school nurse to ensure that the procedural safeguards and records contained in this policy and required by law are followed prior to administration of any drugs or medicine.
- 5. At the senior high school, responsible students are encouraged to participate in self medication. A licensed school nurse will be available to assist a student in planning his or her medication regime. It is strongly recommended students participating in self medication should carry with them only a single day's dosage of drugs or medicine in a container labeled with the student's name, dose and name of licensed prescriber.

- 6. For drugs or medication used by handicapped children, the school district will administer them as provided for by the student's individual health plan.
- 7. Special health treatments such as catheterization, tracheostomy, suctioning and gastrostomy feeding do not constitute administration of drugs or medicine. Such treatments are delegated medical functions. The treatments require a physician's written order; written parent permission and should be included in the student's individualized health plan.

# MOORHEAD COMMUNITY-ADULT EDUCATION

# Moorhead Technical Institute Moorhead Public Schools

# 1900 28th Avenue South Moorhead, Minnesota 56560 218-236-6277

#### YOUTH DEVELOPMENT PLAN (February 1989)

Members of the Youth Development Task Force worked from November 1988 to February 1989. Persons serving on the committee included:

Kim Bushaw-consumer homemaking-Adult Education Mary Davies-Community Education coordinator Stephanie Fergle-high school student Pat Fike-high school student Nick Guida-high school student Pat Hinze-5th grade teacher David Hunstad-church youth leader Anne Larson-Community Education Advisory Council-parent Afton Nellermoe-parent Jeff Robinson-high school counselor Eric Seigel-high school student Brenda Shafer-4-H-County Extension Agent Mike Siggerud-assistant principal, high school Trevor Sorby-high school student Leah Swedberg-high school student Karel Varriano-parent-Community Education Advisory Council Lauri Winterfeldt-Shanks-Early Childhood Family Education

Through a process of visioning the ideal place in which our youth can flourish and develop, the Task Force came up with a list of goals:

- 1. Moorhead will have a community-wide approach to the issues of youth.
- 2. Programs should be designed to provide opportunities that enhance and develop self-esteem for youth. We believe that self-esteem should be a key component in every activity or program involving youth.
- 3. Community Education will work with the schools to organize a tutor program within the schools.
- 4. Programs should encourage interaction between parents, parents and youth, parents and teachers and between youth and senior citizens.
- 5. The community should provide a variety of youth activities with better publicity.

The Task Force has come up with recommendations for Community Education and for other community groups. We list them here.

#### RECOMMENDED YOUTH DEVELOPMENT ACTIVITIES

- 1. Community Education should hire a part-time coordinator to oversee youth activities.
- 2. Train teens to go to Robert Asp School with information on staying away from drugs/alcohol. Clay County Extension has a 5-hour training program and their materials cost about \$125. This proposal should be referred to principals and counselors.
- There is a need for more summer enrichment activities if summer school
  is entirely remedial. If groups are sponsoring summer activities there
  needs to be better publicity.

There is a need for the city Parks and Recreation Department to offer more activities and tours for students, especially in grades 5-8.

Non-athletic Saturday and after-school activities for upper elementary students are especially important.

- 4. Encourage attendance at 4-H self-care daycamps this summer. They will teach skills to children to help them manage when they are home alone.
- 5. Endorse Senior High plans to set up a tutoring program.
- 6. Get youth leaders together on a regular basis to share concerns and programming. A quarterly newsletter within this group could further increase their sharing. Community Education should initiate this.

Look into the need for a youth services directory for youth workers.

- 7. Encourage the Senior High to have an Opportunity Fair or Expo to introduce new students to all of the activities available and how to become involved. When possible, extend this to ways the students can be involved in community projects.
- 8. Encourage interaction between all ages. Adopt a Grandparent, projects where youth help senior citizens, and senior citizens act as mentors and tutors to students should all be encouraged.
- 9. Student participation in existing arts programs such as Trollwood Summer School should be encouraged. Perhaps community service clubs would be a source of scholarships for Moorhead students.
- 10. Community Education should sponsor a major speaker on a family/youth topic. This should be a part of a day to promote self-esteem and positive youth development.
- 11. Ask the Senior High and Middle School South to incorporate peer helper aspects into their orientation programs for new students. Current students in these buildings would go to grade 8 and grade 6 to talk about what it's like at their school.

Have a Big Brother/Big Sister program within the schools for new students.

- 12. Refer to the Barlage Center for Science the idea of having a science fair at grades one and two that would emphasize learning and explaining, not competition.
- 13. Work with other organizations in providing youth leadership training. In particular, see what the Concordia Leadership Project funded through the West Central Initiative Fund can offer.
- 14. Community Education should continue to sponsor Post-Prom.
- 15. Recommend that the schools and the Park Board continue to offer trips for children/youth to out-of-town attractions.
- 16. Community Education should continue to encourage youth to work for the Congressional Award.
- 17. Community Education should continue the 7th-8th grade intramural program.
- 18. Continue Community Education's contribution to Sabin softball.

MEMO #S-90-42R

TO: School Board Members

FROM: B. Trochlil

RE: Retreat Dates for Fall & Winter

DATE: October 19, 1989

Based on the input from board members, the best time to have the fall and winter retreats are on these dates:

December 1 & 2 or December 8 & 9 February 8 & 10 or February 16 or 17

### Recommendation

 $\frac{\text{Fall}}{\text{Saturday}}$  - Friday, December 1 (6:30 - 10:00 p.m.) Saturday, December 2 (8:30 a.m. - 2:30 p.m.)

<u>Winter</u> - Friday, February 9 and Saturday, February 10 (same times as above)

REGULAR MEETING
BOARD OF EDUCATION
INDEPENDENT SCHOOL DISTRICT #152
OCTOBER 24, 1989

MEMBERS PRESENT: Wayne Alexander, Curt Borgen, James Cummings, Douglas Fagerlie, Anton Hastad, Allen Lund, Jeanne Seigel and Bennett Trochlil

<u>PLEDGE OF ALLEGIANCE</u>: Chairperson Lund led the Board, adminsitration and audience in the Pledge of Allegiance.

PREVIEW OF AGENDA: Trochlil previewed the agenda, adding Child Care Focus, Donations and Personnel.

CONSENT AGENDA: Alexander moved, seconded by Hastad, to approve the following items as part of the consent agenda: TMH Classroom Remodeling - Junior High; Classroom Remodeling - Washington; Lease - Eventide Lutheran Home; Donation to Probstfield; Donation to Senior High; Donation to Profoundly Mentally Handicapped Program; Donation to Pre-School Screening; Truth in Taxation for Payable 1990 Hearing; Trust Transfers; Tuition Contract; Moorhead Community Education Grants; and, Moorhead Technical College Grants. Motion carried unanimously.

#### OPPORTUNITY FOR COMMUNITY/STAFF TO SPEAK

1. Jim Ellingson, recently named Minnesota Teacher of the Year, updated the Board on the presentation of this honor.

He thanked the district for the many opportunities given to him and stated: "We are not here just for improving students' essays but to hopefully improve the lives of our students".

2. Joan Ostlie reported that there will be a "Celebration of District #152 Teachers" reception for those who have received special honors in the last year, on Thursday, November 30, 4:30 - 7:00 p.m. in the Moorhead State University Ballroom.

#### COMMITTEE REPORTS

- 1.  $\underline{PER}$ : Cummings reported they are reviewing scheduling and  $\overline{class}$  size at the Senior High, Activities and Day Care.
- 2. <u>Community Education</u>: Lund reported on Orientation 1989-90 and Needs, Budget, and Evaluation.

CHILD CARE CENTER: The Board was given a handout on the issue and will review. Lund requested that Trochlil have a recommendation at the November 14 meeting.

TMH CLASSROOM REMODELING - JUNIOR HIGH: As part of the consent agenda, the Board approved the change order request for remodeling of the TMH classroom at the Junior High.

REGULAR MEETING BOARD OF EDUCATION INDEPENDENT SCHOOL DISTRICT #152 OCTOBER 24, 1989 PAGE TWO

CLASSROOM REMODELING - WASHINGTON: As part of the consent agenda, the Board approved the change order request for remodeling classrooms at Washington Elementary.

LEASE - EVENTIDE LUTHERAN HOME: As part of the consent agenda, the Board approved the contract between Eventide Lutheran Home and Moorhead Technical College for a 75 Hour Nurses Aides Course.

<u>DONATION</u> - As part of the consent agenda, the Board accepted the donation of \$1,500.00 from Nash Finch, to Probstfield Elementary, for the purchase of their fourth computer and directed a letter of thanks be sent.

 $\overline{\text{DONATION}}$ : As part of the consent agenda, the Board accepted the donation of \$265.00 to the Profoundly Mentally Handicapped Program on behalf of the Special Olympics for equipment to be used within the program and directed a letter of thanks be sent.

TRUTH IN TAXATION FOR PAYABLE 1990 HEARING: As part of the consent agenda, the Board rescheduled the hearing for Tuesday, November 14.

TRUST TRANSFERS: As part of the consent agenda, the Board approved the trust transfers as shown.

 $\underline{\text{TUITION}}$  CONTRACT: As part of the consent agenda, the Board approved the tuition contract with Beach School District for \$3,900.00, which covers all costs of educating a secondary student.

MOORHEAD COMMUNITY EDUCATION GRANTS: As part of the consent agenda, the Board received the following grants:

Adult Basic Education Grant
State Aid \$59,663.00
Federal Grant 16,114.98
Refugee Employment Related English 13,000.00
Language Training

 $\frac{DONATION}{\$1,500.00}$ : As part of the consent agenda, the Board accepted the \$1,500.00 check from Nash Finch for the purchase of a computer at the Senior High School and directed a letter of thanks be sent.

 $\underline{\text{DONATION}}$ : As part of the consent agenda, the Board accepted the donation of \$50.00 from the Moorhead Lioness Club for Pre-School Screening and directed a letter of thanks be sent.

REGULAR MEETING
BOARD OF EDUCATION
INDEPENDENT SCHOOL DISTRICT #152
OCTOBER 24, 1989
PAGE THREE

MOORHEAD TECHNICAL COLLEGE GRANTS: As part of the consent agenda, the Board received the following grants:

Project Title
Quality and Productivity \$ 10,375.00
Firefighter Tuition Subsidy 4,900.00
Haz Mat 600.92

<u>SUPERVISION EXTENDED DAY POLICY</u>: Hastad moved, seconded by Seigel, to approve the Supervision Extended Day policy. Motion carried unanimously.

MEDICATION POLICY: Borgen moved, seconded by Seigel, to approve the Medication policy. Motion carried unanimously.

HANDICAPPED ACCESSIBILITY - HIGH SCHOOL: Trochlil will set a date for Julie Quarve-Peterson to review the study.

YOUTH DEVELOPMENT PLAN: Alexander moved, seconded by Borgen, to approve the revised Youth Development Plan which will guide Community Education's youth activities during 1989-90. Motion carried unanimously.

SPECIAL MEETINGS FOR FALL AND WINTER: Alexander moved, seconded by Cummings, to approve Friday, December 1 (6:30 - 10:00 p.m.) and Saturday, December 2 (8:30 - 2:30 p.m.) for special fall meetings. Motion carried unanimously.

Hastad moved, seconded by Cummings, to approve Friday, February 9 (6:30-10:00~p.m.) and Saturday, February 10 (8:30-2:30~p.m.) for special winter meetings. Motion carried unanimously.

JOINT MEETING: Alexander moved, seconded by Borgen, to approve a meeting date of Tuesday, November 21, 1989, (tentatively at 7:00 p.m.) for the School District and the Park Board in the Board Room at Townsite Centre.

REGULAR MEETING BOARD OF EDUCATION INDEPENDENT SCHOOL DISTRICT #152 OCTOBER 24, 1989 PAGE FOUR

<u>PERSONNEL</u>: Borgen moved, seconded by Alexander, to approve the personnel changes as shown.

Maternity Leave

Randi Stutrud - Early Childhood Special Education Teacher -Riverside, effective approximately January 3, 1990, for six to eight weeks

New Employee

Caroline Owens - Food Server - Riverside, 1 3/4 hours per day, \$4.61 per hour, effective October 3, 1989

Shelly Langeberg - Food Server - Washington, 2 1/4 hours per day, \$4.61 per hour, effective September 25, 1989

General Dalen - Custodian, Moorhead Technical College, Al2, \$6.49 per hour, effective October 19, 1989

Jody Bauer - Systems Operator, Al3, \$6.77 per hour, effective October 11, 1989

Dorothy Schmidt - ESL teacher, Edison, BA (8) \$17,778.42 (\$22,162.00 base) effective October 24, 1989

Sherry Fingarson - Multi-Handicapped Paraprofessional, Riverside, B21, \$7.06 per hour, effective September 23, 1989 Resignation

Steve Lucero - Custodian - Riverside, effective November 3, 1989

Fagerlie moved, seconded by Hastad to amend the motion removing the following from the agenda:

New Employee

Sherry Fingarson - Multi-Handicapped Paraprofessional - Riverside, B-21, \$7.06 per hour, effective September 23, 1989 Motion carried by majority roll call vote: Borgen - yes, Seigel - yes, Fagerlie - yes, Cummings - yes, Alexander - no, Hastad - yes, and Lund - no.

Borgen moved, seconded by Alexander, to approve the amended motion. Motion carried unanimously.

Alexander moved, seconded by Borgen, to approve the hiring of Sherry Fingarson as a paraprofessional at Riverside, B21, \$7.06 per hour, effective September 23, 1989. Motion carried by majority roll call vote: Lund, yes, Borgen, yes, Seigel-yes, Fagerlie-abstain, Cummings-yes, Alexander-yes, and Hastad-yes.

#### OTHER PERTINENT INFORMATION TO COME BEFORE THE BOARD OF EDUCATION

1. <u>Teacher Negotiations</u>: November 6 will be the next scheduled meeting.

 $\underline{ADJOURNMENT}$ : Alexander moved, seconded by Borgen, to adjourn the meeting. Motion carried unanimously.



(218) 299-5400

October 6, 1989

Mr. Bob Jernberg Moorhead Public Schools 810 Fourth Avenue South Moorhead, MN 56560

Dear Bob:

We received some good news this week about the Moorhead Public Service Department's K-3 electric safety program which is offered to Moorhead schools. "Play It Safe With Electricity" received a Grand Award (first place) in the public information program category of a contest sponsored by City Hall Digest.

A news release about the award and two others is being sent to local media. A copy is enclosed. The support we've received from school administration and teachers for this program has certainly contributed to its continued success.

During October, the program is being offered at Riverside, Lincoln and Washington Schools. Three private elementary schools are participating in the program this fall as well. During inservices provided in the schools, teachers relate incidents with children that underscore the need for continued electric safety training. We greatly appreciate your support of the program and the continued enthusiastic response received in the schools. Next spring we anticipate taking the electric safety message to Edison and Probstfield Schools. I'll keep you posted on the schedule.

Sincerely,

Carol Renner

Communications Director

CR/bal (1:177) enclosure cc Tom Heller



October 6, 1989

FOR IMMEDIATE RELEASE

# MOORHEAD PUBLIC SERVICE WINS AWARDS IN INTERNATIONAL PUBLIC INFORMATION COMPETITION

The Moorhead Public Service Department, Moorhead, Minn., communications director Carol Renner and Public Service staff have won first and second place awards in the Eleventh City Hall Digest Public Information Awards Competition, according to the utility's general manager, Tom Heller.

The international contest honors American and Canadian cites for excellence in communicating with their customers. Moorhead Public Service received a Grand Award for its "Play It Safe With Electricity" program taught in Moorhead elementary schools. Contest judges called the program "very well conceived and executed." The program is taught in Moorhead schools by Renner, lineman Doug Fagerlie, retired lineman Dick Krauth and education specialist Connie Forster. More than 2,000 children have participated in the program.

Moorhead Public Service also received an Award of Merit for its 1987 Annual Report released in 1988. Contest judges had

-more-

these comments about the report: "The motif is strong and the writing superb," "excellent photography, novel approach and excellent editorial style." Moorhead freelance graphic designer Janene Richardson designed the report with photography by John Borge. Renner served as editor and project manager.

Another Award of Merit was received by Moorhead Public
Service for a brochure sent to all customers about Christmas
electric safety. Judges called the piece "an effective reminder
for holiday safety. Very visual, to the point. Good copy." It
was written by Renner and designed by Richardson.

Utility general manager Tom Heller says the awards are a welcome recognition of efforts by Public Service in recent years to improve the quality of its public information programs to consumers.

The awards were announced by Raymond L. Bancroft, editorpublisher of "City Hall Digest," a monthly municipal government
newsletter that has sponsored the competition since 1977.

Contest judges were municipal public information officials and
other public relations experts from across the nation. The
contest goal is to encourage the improvement of various modern
communication techniques used by cities to inform their residents
and employees about municipal developments.

#### Moorhead Technical College Child Care Center Request for Proposal SPECIFICATIONS

Applicant must respond to each of the following items. Answers need to be clear and concise. Refer to previous experience and/or submit written documentation (policies/procedures) which will substantiate a thorough understanding of each item.

#### A. SPECIFICATIONS WHICH APPLICANT MUST MEET:

- 1. Applicant must provide background history about their organization. Include information about each of the following:
  - types of programs operated;
  - numbers of years of experience in the provision of child care services including toddlers and preschoolers:
  - qualifications and roles of persons in key administrative positions, including those of the designated director for the child care center at Moorhead Technical College;
  - memberships in related professional organizations.
- 2. Applicant must be currently in compliance with Department of Human Services Rule 3, Standards for Group Day Care of Preschool and School Age Children; and be operating with a current license.

Please attach the following documents:

- A. Copy(s) of current DHS license(s)
- B. Affirmative Action Statement
- C. Hiring and personnel practices
- D. Plan for staff training and development
- E. Program plan including philosophy,
- educational curriculum, and daily schedules
- F. Plan for continuing health consultation
- G. Accident prevention procedures
- H. Emergency procedures
- I. Parent handbook
- J. Plan for continuing communication between parents and the center
- K. Admission procedures
- L. Evidence of adequate insurance coverage
- M. Plan for serving children with special needs
- N. Plan for serving children with special diet needs

NOTE: Specifically identify any areas in which the established state standards are exceeded.

Applicant must show evidence of financial 3. accountability and fiscal responsibility. Please attach a copy of your most recent complete annual audit. 4. Applicant must provide a budget for one operating year. Income must not exceed expenses by more than a margin of 10%. Attach your proposed operating budget including income and expenses. Use the line items indicated on the budget reporting form. Include a budget narrative explaining or showing a calculation for each line item. Also, as part of the budget narrative, show daily costs and daily tuition rates for each age group. Please note that program supplies and all meals must be included in the daily rate charged to all clients. 5. Applicant must provide a schedule of child care fees currently being charged to clients at other sites you operate. Established fees are in effect until June 30, 1990, and are then open for review. The Provider agrees to pay ISD 152 the sum of one dollar (\$1.00) per year and agrees to reduce its ordinary and customary fees for child care services in an amount equal to the fair market rental value of the premises, which shall include the value of heat, water and electric utilities, and outside maintenance services including mowing and snow removal. Applicant must provide breakfast, lunch, and snack daily to children, according to rule 3. (As stated in the line item budget specification, all meal costs must be included in the daily rate charged.) State how meal service would be handled and include the following documentation: Cycle menu plan (minimum of 2 weeks) which conforms to Child Care Food Program requirements for breakfast, lunch, and snack for ages 16 months through 5 years. 7. Applicant must contract with government funding agencies in order to provide a sliding fee schedule to clients at the MTC child care center. Indicate how you have accomplished this objective in the past. 8. Applicant must have an "open-visitation" policy for parents. Please describe and indicate how this policy will be made known to parents.

Applicant must furnish to Moorhead Technical College a 9. minimum of three professional references and three references from current clients. Please attach a minimum of six letters of reference which include name. address, and phone. Applicant must furnish to Moorhead TC the liability 10. policy with limits of \$600,000 per person and \$600,000 per occurrence naming the District as co-insured. В. DEMONSTRATION SPECIFICATIONS. These items require that the applicant respond in writing to each item using past experience as a basis for each answer. Applicant has the ability to: 1. Work with other schools/state agencies in the provision of child care services; 2. Administer accounts receivable; 3. Work with children from families in which the parent is low-income; single; minority. Understands the unique aspects of service required to meet the needs of these clients. Provide parent education as a component of 4. the child care program; in cooperation with adult/community education program. Work with other agencies (i.e. child 5. protection, public health departments, etc.); 6. Establish a parent/staff trust relationship during the initial stages of enrollment; 7. Prepare and submit to the Moorhead TC monthly financial statements detailing the program's income and operating expenses. 8. Outline the center philosophy regarding care of young children including, but not limited to: curriculum, behavior guidance principles, and the role of the carer. Describe the communication plan for dealing 9. with MTC students, MTC staff, child care center staff, and the community. 10. Compute hourly rate for added costs to extend child care services beyond the specified schedule for extended day or weekend activities. C: THE APPLICANT AGREES TO: 1. Permit parents to visit their children at breakfast, lunch and other times during the 2. Submit to MTC, on a quarterly basis, client information; 3. Prepare and submit monthly operating statements:

9. Facility shall be available for use by Moorhead Technical College when Provider is not using premises for child care.

#### Moorhead Technical College Child Care Center

#### LINE ITEM BUDGET

## INCOME: Tuition - Welfare..... Uncollectible Welfare....\_\_ Tuition - Parent..... Uncollectible Parent.... USDA Food..... Grants....\_\_\_ Miscellaneous & Other.... TOTAL INCOME..... EXPENSES Professional Staff..... Health & Retirement....\_\_\_ Payroll Taxes....\_ TOTAL STAFF COMPENSATION..... Consultants & Contract Services..... Office Supplies..... Program Supplies..... Food Costs....\_\_\_ Food Supplies.... Telephone..... Rent.... Repair & Maintenance....\_ Insurance..... Outside Printing..... Mileage Payment - Staff..... Conferences & Staff Training..... Books & Subscriptions.... Dues....\_\_\_ Miscellaneous....\_ TOTAL DIRECT EXPENSES.....

Equipment.....

## CONSENT FOR RELEASE OF INFORMATION

I,, hereby
authorize name of applicant
Moorhead Technical College to obtain pertinent information from
State and County authorities and other professional organizations
for the purpose of assessing my ability to provide quality day
care services. I understand that any information released to the
Moorhead Technical College will be shared only with staff/others
who need this information to assess the level of professional
service delivery.
signature
date

INDEPENDENT SCHOOL DISTRICT #152

MOORHEAD TECHNICAL COLLEGE

CHILD CARE CENTER PREMISES AGREEMENT

THIS AGREEMENT is made this day of	poration,
ISD 152 owns premises located on the main campus of MT have been designated a child care center. MTC issued for Proposals (RFP) for an independent provider of chiservices which would locate on the premises. The Proposition was accounted by MTC.	a Request ld care

- 1. Premises. In consideration of the covenants and promises in this Agreement, ISD 152 demises and rents to Provider the premises as shown on the layout drawing attached hereto. The premises has a separate entrance on its west side which allows access from the outside. Only this entrance to the premises shall be used by Provider's clients, the children and their parents. The premises also includes an outside playground area and a drop-off area for parents separate from the playground. Parking for Provider's staff members will be provided in spaces to be determined by MTC.
- 2. Rent. The Provider agrees to pay ISD 152 the sum of one dollar (\$1.00) per year and agrees to reduce its ordinary and customary fees for child care services in an amount equal to the fair market rental value of the premises, which shall include the value of heat, water and electric utilities, and outside maintenance services including mowing and snow removal.
- 3. <u>Use of Premises</u>. The Provider shall use the premises as a child care center in order to provide day care services in accordance with the RFP attached to this Agreement and incorporated herein.
- 4. Term. ISD 152 does make the premises available to Provider for a term of one (1) year beginning \_\_\_\_\_\_, and ending \_\_\_\_\_\_. Regularly scheduled operation of the center shall begin on
- 5. Maintenance and Repair of Premises. ISD 152 will maintain in their present condition, normal wear and tear excepted, the roof, exterior walls, structural components, and heating, plumbing and electrical systems of the premises; provided that, should any of these be destroyed or damaged or fail to the extent that ISD 152 determines not to replace

or repair such component or system, this Agreement shall thereupon terminate and neither ISD 152 nor Provider shall have or make any claim against the other of any nature related to this Agreement or its termination. ISD 152 at its sole discretion, may make any improvement or modification to the premises necessary for Provider to operate the child care center. ISD 152 will provide for the removal of ice, snow and other obstruction from all sidewalks and parking areas. ISD 152 will not provide janitorial and normal maintenance services for the premises, but will provide heat, water and electricity utilities. Provider will provide and pay for its telephone expense. Provider shall be responsible for and shall pay the cost of replacement and repair of all damage to the premises and damage to the nonexclusive areas of the MTC facility, including broken glass, caused by Provider's employees, officers, directors, members, agents, clients and invitees. ISD 152 is not responsible for any damage to or loss of any personal property, including fixtures, of Provider, its employees, officers, directors, members, agents, or invitees from any cause. If the premises or a part thereof is destroyed or so damaged by fire or other cause so as to be unusable or untenantable or unsuitable for repair in the opinion of either party, then this Agreement may be terminated by either party upon written notice given to the other. ISD 152 shall have no obligation to repair, replace, or rebuild the premises or any part thereof following such damage, anything herein to the contrary notwithstanding. 6. License and Regulations. Provider shall at all times maintain in good standing its license to provide child care services and shall, at its own expense, meet, observe and keep all regulations, requirements, and ordinances of the City of Moorhead and of the State of Minnesota and of any other public authority during the term hereof regarding the use by Provider of the premises. Provider shall give immediate notice to ISD 152 of any change in the status of its license or violation of any regulation, requirement or ordinance. 7. Insurance. Provider, at its sole expense, shall obtain fire and extended coverage for its personal property and the full insurable value of the premises with a loss payable clause to ISD 152, and shall obtain public liability insurance in amounts not less than \$600,000 person, \$600,000 per -2-

occurrence and \$50,000 property damage limits. ISD 152 shall be named as an additional insured on such public liability policy, and a copy of such policy shall be furnished to ISD 152. This insurance shall be kept in full force and effect by Provider during the entire term of this Agreement, and the policies shall provide that coverage may not be terminated sooner than thirty (30) days following written notice of termination to ISD 152 by the insurance carrier. Provider agrees that, upon written notice from ISD 152, it will obtain such modifications in coverage or policy limits as directed by ISD 152 pursuant to legislation or judicial requirement. 8. Indemnity and Waiver of Claims. Provider agrees to indemnify and hold harmless ISD 152 from any claim made by any person or entity as a result of any personal injury, wrongful death, property damage or other tort or contract claim based upon any act or occurrence committed or happening in or about the premises during the term of this Agreement. Indemnification required by the terms hereof shall include, but not be limited to, all costs, attorneys' fees, expenses and liabilities incurred in connection with the defense of such claim. Provider hereby releases ISD 152 from any and all claims by Provider for personal injuries, wrongful death or property damage including but not limited to any damage to Provider's improvements arising out of any act or occurrence committed or happening in or about the premises or the MTC facility, except claims based on the willful conduct of ISD 152. Unless prohibited under any applicable insurance policies maintained, ISD 152 and Provider waive any and all rights of recovery against the other, or against the officers, employees, agents or representatives of the other, for loss of or damage to its property or the property of others under its control, if such loss is covered by any insurance policy in force at the time of such loss or damage. ISD 152 and Provider shall give notice to their respective insurance carriers of this mutual waiver or subrogation. Access to Premises. ISD 152 shall have the right to enter the premises at any time during the term of this Agreement

- 9. Access to Premises. ISD 152 shall have the right to enter the premises at any time during the term of this Agreement to view the premises, to make any repairs, and to determine compliance by Provider with the terms of this Agreement and Provider's RFP. Facility shall be available for use by MTC when Provider is not using premises for child care.
- 10. No Assignment. Provider shall not assign its RFP or this Agreement or any right or obligation of Provider pursuant thereto; except as may be specifically allowed in its RFP or this Agreement.

11. Sign. Provider may have a sign on the outside of the premises, after approval by MTC of its location, size, type and wording according to Moorhead city codes. 12. Taxes. Provider shall be solely responsible for the payment of all taxes and assessments arising out of the operation of the child care center, including real estate taxes. Provider shall indemnify ISD 152 against any tax liability or assessment, including related interest, penalties, reasonable collection expenses, attorney's fees and costs incurred in connection with the collection of any such amount arising from Provider's use of the premises and/or child care operation. This paragraph shall expressly survive any termination of this Agreement and continue until the applicable statute of limitations period has expired. 13. Waste. Provider shall not commit or suffer to be committed any waste upon the premises. Performance Bond. Provider will provide a performance bond 14. in the amount of 100% of the contract, for the benefit of clients entering into contracts with the Provider to provide child care services, guaranteeing the provision of child care services to the clients. 15. Relationship of the Parties. Nothing contained herein shall be deemed or construed by the parties hereto, nor by any third party, as creating the relationship of principal and agent, or of independent contractor, or of partnership or of joint venture between the parties hereto, it being understood and agreed that neither the method of computation of rent nor any other provisions contained herein, nor any acts of the parties hereto shall be deemed to create any relationship other than that of landlord and tenant. Termination. If Provider fails to perform any provision of 16. this Agreement, ISD 152 may terminate this Agreement, or ISD 152 may re-enter and take possession of the premises and hold and enjoy the same without such re-entering working a forfeiture of the covenants to be performed by Provider for the full term of this Agreement. At the termination of this Agreement, whether or not at the end of the term hereof, Provider shall quietly yield and surrender the premises to ISD 152, in as good condition and repair as when it took them, reasonable wear and tear and damage by fire or the elements alone excepted. At such time, Provider shall remove only those items of personal property owned by Provider and not affixed to the premises. -4POLICY OF THE MOORHEAD, MN BOARD OF EDUCATION DISTRICT CODE: JHCD DATE ADOPTED:

#### MEDICATION

Parents have the major responsibility for administering medication to their children. Independent School District No. 152 strongly recommends that required medication be administered in the home. If this is not possible, parents are encouraged to come to school to administer medication to their children. If, under exceptional circumstances, a child is required to take medication during school hours and a parent cannot come to school to administer medication, the licensed school nurse or willing designee of the school nurse will administer the medication in compliance with the following:

- 1. No prescription medication or drugs or medicine that may be purchased without a prescription will be administered during the school day by school personnel unless prescribed by a licensed prescriber and an authorization is signed by the student's parent or guardian (refer to administrative policy JHCD-A).
- 2. Administration of medication by school personnel must be done according to the written order of a licensed prescriber and the written authorization of a parent or guardian. Authorization forms for administration of medication are available at the principal's office or health office of each school. New request forms must be submitted on a yearly basis or whenever there is a change in medication and/or frequence of medication.
- 3. Prescription medication must be brought to school in a container with a label prepared by a pharmacist. Medication that may be purchased without a presciption must be brought to school in the original container labeled with the student's name and dosage.
- 4. The school nurse shall appoint an individual in each building to insure that the procedural safeguards and records contained in this policy and required by law are followed prior to administration of any drugs or medicine.
- 5. At the senior high school, responsible students are encouraged to participate in self medication. A licensed school nurse will be available to assist a student in planning his or her medication regime. It is strongly recommended students participating in self medication should carry with them only a single day's dosage of drugs or medicine in a container labeled with the student's name, dose and name of licensed prescriber.

- 6. For drugs or medication used by handicapped children, the school district will administer them as provided for by the student's individual health plan.
- 7. Special health treatments such as catheterization, tracheostomy, suctioning and gastrostomy feeding do not constitute administration of drugs or medicine. Such treatments are delegated medical functions. They should require a physician's written order; written parent permission and should be included in the student's individualized health plan.

#### INDEPENDENT SCHOOL DISTRICT NO. 1 Moorhead Public Library MOORHEAD, MINNNESOTA

Notice is hereby given that a regular meeting of the Moorhead Board of Education will be held on Tuesday, November 14, 1989, at 7:00 p.m. in the Board Room at Townsite Centre.

Bennett Trochlil, Superintendent

#### MISSION STATEMENT

To maximize the talents of every student in Independent School District Number 152.

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Vayne	Alexander	Anton Hastad	
A. C.	(Curt) Borgen	Allen Lund	
James	Cummings	Jeanne Seigel	
Dougla	s Fagerlie	Allen Lund Jeanne Seigel Bennett Trochlil	
I.	CALL TO ORDER		
II.	PLEDGE OF ALLEGIANCE	•	
III.	PREVIEW OF AGENDA - Benne	ett Trochlil, Superintendent	
IV.	APPROVAL OF MINUTES	Appendix	<u>A</u>
	$\frac{\text{Recommendation:}}{\text{and } 24, \frac{1989}{.}}$ Move to	approve the minutes of October	10
	Moved by	Seconded by	_
*V.	CONSENT AGENDA		
	routine by the School Boamotion. There will be no items unless a Board members.	asterisk (*) are considered to ard and will be enacted by one o separate discussion of these per or citizen so requests, in the considered in its normal	be

Recommendation: Move to approve the items on the consent

Moved by \_\_\_\_\_Seconded by \_\_\_\_

\*VI. CONSIDERATION OF CLAIMS

Appendix B

VII. COMMUNICATIONS

agenda.

#### VIII. OPPORTUNITY FOR COMMUNITY/STAFF TO SPEAK

#### IX. "WE ARE PROUD"

- The following young men obtained the rank of Eagle Scout: Ryan Babolian, Carl Beckstrom, Neal Finke, David Gibb, Jason Horn, Seth Kovash, Todd Ladwig, Randy Loffelmacher, Nathan Hastad, Matthew Husel, Jacob Morton, Scott Paulsen, Bruce Ringstrom, Jr., Derrick Sigdestad, Eric Tufton, Kelly Weiler, and Kevin Bengston.
- 2. Christopher Heimarck, Senior High, took second place in a daylong reporting contest held in Washington, D.C.. He was among 50 students from all states taking part in the contest that featured a breaking international event with a full day of news conferences, network bulletins and other material on a fictitious conflict in Africa. He received a \$2,500 check.

The 50 student finalists were culled from more than 50,000 entrants from 1,000 high schools nationwide. The finalists were required to write a 500-word newspaper story reporting the day's events.

3. Greg Carlson, senior, was one of 96 Minnesota students who received the honor of being a chosen Governor's scholar by Governor Rudy Perpich.

From August 6-12 he attended a seminar at St. Benedict's college at St. Joseph, MN and while there he signed a contract to complete a service project this year at the high school. As his project, he plans to start an Amnesty International group at the Senior High. He is currently a member of Amnesty, International.

- 4. Andrew Byrnes has been selected as the candidate to represent Moorhead High School in the Century III Leadership program.
- 5. The following have been named winter sports cheerleaders: Boys varsity basketball: Andrea Berninger,
  Michele Cook, Sabra Ferreria, Erin Ingersoll, Jessie
  Markuson & Dina Sorenson. Boys JV basketball: Jenny
  Hilber, Jenny Kalsow, Kim Lacher, Jessica Laurila &
  Heidi Martin. Girls varsity basketball: Rhonda Aure,
  Amie Losing, Jenny Knighton, Jackie Olson & Tonya
  Richter. Hockey varsity: DeAnn Ballard, Marcy Dukart,
  Laurie Hoffman, Sarah Evans, Tammy Nelson & Keri
  Robertson. JV hockey: Kristi Adair, Jessica Dockter,
  Andrea Hovland, Jenny Jamison & Pam Wanner. Varsity
  wrestling: Shireen Ferreria, Jan Henne, Karen Marquart,
  Karl Thielbar & Kristi Varriano. JV wrestling: Heidi
  Buckley, Diana Danielson, Ramona Hill, Dawn Sloan &
  Susie Stetz.

"WE ARE PROUD" (continued)

- Katie Hunt was selected as student of the month for November for the Piper, Jaffrey & Hopwood award.
- 7. Andrew Byrnes, Sara Deist, Chad Halvorson and Kim Cheng Seng have been accepted as Humphrey scholars. They will attend the symposium at the University of Minnesota on November 13.
- 8. The Moorhead Key Club took first place at the Shanley Key Club Olympics.
- 9. Daniel DiBrito, Moorhead Technical College student, was the recipient of the 1989 Outstanding Student award by the Minnesota State Council on Vocational Technical Education. This is given to only one student in the Minnesota Technical College system.
- 10. Partnership Moorhead Public Service Department and Moorhead Schools (Appendix 10-1)
  - COMMITTEE REPORTS х.

°Sabbatical Leave - Fagerlie

"Negotiations (Teachers) - Lacher

°Title IX - Oestreich

- MOORHEAD TECHNICAL COLLEGE AGENDA XI.
  - UNFINISHED BUSINESS Α.
  - В. NEW BUSINESS
  - Consider Contributions (Andersen) Appendix C

Explanation: The Moorhead Literacy Project, a Community Education program, has received a contribution of \$5.00 from Joyce Asserud, a member of Our Savior's Lutheran Church. She requested that the money be used for bus tokens for students.

Recommendation: Move to approve the contribution to the Moorhead Literacy Project as stated above.

Moved b	у	Seconded	by	
Comment	s			

Specificat	HILL Cale	(Johnson)		Appendix D
Explanatio	n: Appendic	ies D-l, an	nd D-2 are	the proposed
"Request F	or Proposals	" and "Agre	eement" fo	rmats for the
Moorhead T	echnical Col	lege child	care faci	lity. The
most recen	t completion	estimate .	for this p	roject is the
second wee	k in Decembe	r. Our win	nter break	concludes on
January 7,	1990, so ho	pefully, we	e will be	able to open
Dagammanda	tion: Move	to approve	the Child	Care RFP and
			the online	dare arr and
Agreement	proposed for	macs.		
Moved by		Seconde	d by	
Comments			1042	
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PRE-SCHOOLK	- GRADE 12 P	ROGRAMC	OMMUNITY	DUCATION
FINISHED BUSTN	IESS			
I INISHED DOOL	100			
Consider Chi	ld Care	(Trochlil)		Appendix E
Explanation:	(Informatio	n will be	more avail	lable before
Moved by		Seconded	by	
Comments				
<del></del>				
2 11 100	2.0	/I b - m \		Appendix F
Consider 198		(Lacher)		Appendix
	Payable 1990			
(due in Aud:	ovember 10)			
(due in Aud: Office on No	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Office on No	a majerialistic in terms	n will be	more avai	lable before
Office on No Explanation	: (Informatio	n will be	more avai	lable before
Office on No	: (Informatio	n will be	more avai	lable before
Office on No Explanation the meeting	: (Informatio			
	most recensecond wee January 7, during the Recommenda Agreement Moved by Comments  PRE-SCHOOLK FINISHED BUSIN Consider Chie Explanation: the meeting Moved by Comments	most recent completion second week in Decembe January 7, 1990, so ho during the month of January 7, 1990, so ho during the month of January 7, 1990, so ho during the month of January 7, 1990, so ho during the month of January 7, 1990, so ho during the meeting).  Moved by Comments  Moved by Consider Child Care  Explanation: (Information the meeting).  Moved by Comments	most recent completion estimate second week in December. Our wind January 7, 1990, so hopefully, winduring the month of January.  Recommendation: Move to approve Agreement proposed formats.  Moved bySeconder Comments	Recommendation: Move to approve the Child Agreement proposed formats.  Moved bySeconded by  PRE-SCHOOLK - GRADE 12 PROGRAMCOMMUNITY E  FINISHED BUSINESS  Consider Child Care (Trochlil)  Explanation: (Information will be more available meeting).  Moved by Seconded by

#### B. NEW BUS

\*1.

BUSI	NES	SS																																								
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3.	Consider Sabbatical (Fagerlie) Appendix I Leave
	Explanation: Mavis Falk, Chairperson of the Sabbatical Leave Committee will present the Sabbatical Leave request to the Board (Appendix I-1).
	Recommendation: Move to approve the recommendation as presented.
	Moved by Seconded by
 4.	Consider Principals (Trochlil) Appendix J Contract 1988-89
	$\underbrace{Explanation}_{\text{before the meeting}}$ : (Information will be more available
	Moved by Seconded by
	Consider Migrant (Trochlil) Appendix K Resolution
	Explanation: Appendix K-1 is the resolution.
	Recommendation: Move to approve that the district submit an application for a Chapter I Migrant Education Grant to operate a Migrant Education Project during the summer of 1990.
	Moved bySeconded by
6.	Review Employees As (Seigel) Appendix L Vendors To Students Policy (Code: DJD)
	<pre>Explanation: The Policy Review Committee supports this policy (Appendix L-1).</pre>
	Recommendation: This is the first reading of the policy and a recommendation for approval will be made at the November 28 Board meeting.

7. Review Facilities (Seigel) Appendix M For Private Gain Policy (Code: FD) Explanation: The Policy Review Committee supports this policy (Appendix M-1). Recommendation: This is the first reading of the policy and a recommendation for approval will be made at the November 28 Board meeting. 8. Consider North Central (Trochlil) Appendix N Association One-Year Followup Reports Explanation: The Board has received copies of the one-year followup reports as they relate to the North Central Association visitation of October 30 through November 2, 1988 (Appendix N-1). Howard Murray will discuss the Reading report and Don Hulbert will discuss the Student Activities report. These reports will be reviewed and discussed briefly with the Board. Recommendation: Move to accept the reports as presented and direct that they be forwarded to the Minnesota North Central Association office. Moved by \_\_\_\_\_ Seconded by \_\_\_\_\_ Comments Review Schematic Drawing - (Lacher) Appendix 0 Junior High Explanation: Preliminary schematics will be presented. \*10. Consider TMH Classroom (Lacher) Appendix P - Junior High Explanation: The change order request is for: Relocate roof fresh air intake 2. Extend two hour separation wall to seal against roof deck 3. Provide connection to range hood Total of 1,2, and 3...... \$939.12 4. Trim at heat radiation equipment....  $\frac{230.00}{\$1,169.12}$ Recommendation: Move to approve change order #2 as shown. Moved by \_\_\_\_\_Seconded by \_\_\_\_\_ Comments \_\_\_\_\_

\*11. Consider Non- (Trochlil) Appendix Q Resident Agreement

 $\underline{Explanation}$ : The following non-resident agreement is being recommended subject to board action of the Barnesville School District (Appendix Q-1).

To attend Moorhead Public Schools: Tara Waller, Rt. 1, Box 61, Barnesville, MN, grade 7

Recommendation: Move to approve the non-resident agreement for the student listed above, subject to action of Barnesville Public Schools.

Moved by	Seconded	by
Comments		

#### XII. FOR YOUR INFORMATION

Appendix Z

- 1. Futures Article Appendix Z-1
- International Early Childhood Conference on Children With Special Needs - Jeanne Seigel

#### CALENDAR OF EVENTS

<u>Event</u>	<u>Da t e</u>	<u>Time</u>	<u>Place</u>
Restructuring Upper Midwest	Mon., Nov. 13 & Tues., Nov. 14	All Day	Holiday Inn, Fargo
Activities Committee	Tues., Nov. 14	7:00 a.m.	Townsite
Chamber - Business After Hours	Tues., Nov. 14	4:30-6:30 p.m.	Days Inn
Hjemkomst Reception (Mini-Legislation)	Wed., Nov. 15	5:00 p.m.	Hjemkomst Center
Mini-Legislation Dinner	Thurs., Nov. 16	6:00 p.m.	Moorhead State University
Joint Powers	Thurs., Nov. 16	7:00-9:00 a.m.	City Hall
Parent Teachers Conferences	Mon., Nov. 20	5:00-8:30 p.m.	
Parent Teachers Conferences (No School for student	Tues., Nov. 21	8:00 - 4:00 5:00 - 8:30	<ul> <li>■U.910-2.0-304</li> </ul>
Compensation Day for Teachers (No School for Student			
Thanksgiving Holiday	Thurs., Nov. 23		
Holiday	Fri., Nov. 24		
Policy Review	Mon., Nov. 27	7:00-9:00 p	.m. Townsite
City/School Board/ Park Board Meeting	Tues., Nov. 21	7:00 p.m.	Townsite

- XIII. OTHER PERTINENT ITEMS TO COME BEFORE THE BOARD OF EDUCATION
  - 1. NSBA Convention April 21-24, 1989
  - 2. AASA Convention February 23-26, 1990

#### XIV. ADJOURNMENT

NEXT SCHEDULED MEETING Tuesday, November 28, 1989 - 7:00 p.m.

## INDEPENDENT SCHOOL DISTRICT NO. 152 MOORHEAD, MINNESOTA

Notice is hereby given that a <u>Regular</u> meeting of the Moorhead Board of Education will be held on <u>November 28</u>, 1989, at 7:00 p.m. in the Board Room at Townsite Centre.

Bennett Trochlil, Superintendent

#### MISSION STATEMENT

To maximize the talents of every student in Independent School District Number 152.

ATT	END	AN	CE:
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Go

men.

Wayne Alexander	Anton Hastad
A. C. (Curt) Borgen	Allen Lund
James Cummings	Jeanne Seigel
Douglas Fagerlie	Bennett Trochlil

- I. CALL TO ORDER
- II. PLEDGE OF ALLEGIANCE
- III. PREVIEW OF AGENDA Bennett Trochlil, Superintendent
  - IV. CONSENT AGENDA
    - \*All items listed with an asterisk (\*) are considered to be routine by the School Board and will be enacted by one motion. There will be no separate discussion of these items unless a Board member or citizen so requests, in which event the item will be considered in its normal sequence on the agenda.

Recommendation: Move to approve the items on the consent agenda.

Moved by	Seconded by	
Comments		

- \*V. CONSIDERATION OF CLAIMS
- VI. COMMUNICATIONS
- VII. OPPORTUNITY FOR COMMUNITY/STAFF TO SPEAK

#### VIII. "WE ARE PROUD"

 Congratulations to Mariya Erickson and Angela Nolte for winning first and second places, respectively, at the state competition of the National Association of Teachers of Singing (NATA). Along with first place, Mariya was named outstanding high school vocal student in the state and will receive the Geneva Eschweiler Award.

Three students from each of the ten regions in the state had been selected to compete at the state level.

- Congratulations to the Mathematics League students who took first place at the competition in Alexandria.
- Congratulations to the girls swimming team for placing 5th at the regions. Lisa Johnson and Laura Rundquist represented Moorhead at the state meet.
- 4. Gretchen Carlson has been selected to receive the Hugh O'Brian Leadership Award. Heather Olson was selected as an alternate.

#### IX. COMMITTEE REPORTS

PER - Cummings

- X. MOORHEAD TECHNICAL COLLEGE AGENDA
  - A. UNFINISHED BUSINESS
  - B. NEW BUSINESS
- XI. PRE-SCHOOL--K 12 PROGRAM--COMMUNITY EDUCATION
  - A. UNFINISHED BUSINESS
    - 1. Consider Employees (Trochlil) Appendix A S Vendors To Students Policy Code: DJD

Explanation: This policy was presented at the November 14 meeting for the first reading. Appendix A-1 is the final draft.

Recommendation: Move to approve the policy Employees As Vendors To Students (DJD) as presented.

Moved by	Seconded	l by
Comments		~ ~ <u>~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ </u>

	For Private Gain Code: FD	ies (Trochlil)	Appendix B
	Explanation: The November 14 meet. Appendix B-1 is	is policy was present ing for the first rea the final draft.	ted at the ading.
	Recommendation: Facilities For Pr	Move to approve the rivate Gain (FD) as p	policy presented.
	Moved by	Seconded by	
	SCHOOL BOARD MEET	ING FOR THE PURPOSE O	OF THE PUBLIC
		SCHOOL BOARD MEETING	
B. NE	W BUSINESS		
1.	Consider Bid	(Lacher)	Appendix $\underline{C}$
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2. Consider Personnel (Bergen)

Appendix D

New Employee

Connie Filley - TMH Paraprofessional, Riverside, B21, \$7.51 per hour, effective November 27, 1989

Dagne Forbes - Early Childhood Paraprofessional. Riverside, B21, \$7.06 per hour, 3.5 hours per day - 4 days per week, effective November 27, 1989

Recommendation: Move to approve the personnel changes as presented.

Moved by \_ \_\_\_\_\_Seconded by \_\_\_\_\_ Comments

\*3. Consider Donation

(Jernberg) Appendix E

Explanation: Edison Parent Teacher Organization donated \$50.00 to the elementary music program.

\*4. Consider Donation

(Jernberg) Appendix F

Explanation: Moorhead Schools has obtained gifts
in the amount of \$4,500 for each computer received from Nash Finch Company under the SunMart Computers For Kids Program.

Probstfield - one Edison - two

\$1,500 \$3,000

The district has now received \$31,500 for the purchase of 21 computers under this program.

#### XII. FOR YOUR INFORMATION

Appendix Z

- 1. Futures Article Z-1
- 2. Enrollment Update COHORT Projections Z-2 (Jernberg)
- 3. North Central Association Visitation Z-3 (Jernberg)
- International Early Childhood Conference with Special Needs Z-3 (Seigel)
- 5. Mini Legislative Sessions Participants (Lund. Trochlil, Johnson)

#### XIII. OTHER PERTINENT ITEMS TO COME BEFORE THE BOARD

#### CALENDAR OF EVENTS

Event	<u>Date</u>	Time	Place
Wake Up to Moorhead	Tues., Nov. 28	7:30 a.m.	Fargo Townhouse
Technology Committee	Tues., Nov. 28	1:00 - 4:00 p.m.	Townsite
Long Range Planning	Tues., Nov. 28	4:30 - 6:00 p.m.	Townsite
Town Meeting on Organizational Task Force	Wed., Nov. 29	7:00 p.m.	Fergus Falls
Teacher Celebration	Thurs., Nov. 30	4:30 - 7:00 p.m.	MSU
School Board Special Meeting	Fri., Dec. 1 - Sat., Dec. 2	6:30 - 10:00 8:30 - 2:30	Townsite
North Central Dinner	Sun., Dec. 3	6:00 p.m.	Days Inn
North Central Visitation	Mon., Dec. 4	All Day	
MSBA Delegate Assembly	Tues., Dec. 5	All Day	
Transportation Committee	Thurs., Dec. 7	7:15 p.m.	Townsite
MEEP Conference	Thurs., Dec. 7 - Fri., Dec. 8	All Day	Mpls.
Policy Review	Mon., Dec. 11	7:00 p.m.	Townsite
Teacher Negotiations (Mediation)	Mon., Dec. 18	11:00 a.m.	Townsite

#### XIV. ADJOURNMENT

NEXT SCHEDULED MEETING Tuesday, December 12, 1989 - 7:00 p.m.

POLICY OF THE MOORHEAD, MN BOARD OF EDUCATION

DISTRICT CODE: DJD DATE ADOPTED:

#### EMPLOYEES AS VENDORS TO STUDENTS

Student purchases of textbooks, supplies, materials, tools, or equipment for instructional purposes shall be made from the vendor, through a school store, parts department, or school district purchase order.

School district employees should  $\underline{shall}$  not become involved in making purchases from private or public vendors and then selling those items to students. An exception to this policy must have prior written approval from appropriate supervisor.

Any violation of this policy shall be referred to the appropriate supervisor. On the first offense a written warning will be issued to the staff member with a copy placed in his or her district personnel file. Further violations shall be considered insubordination and shall be dealt with accordingly based on applicable collective bargaining agreements, if any, and Minnesota statutes.

POLICY OF THE MOORHEAD, MN BOARD OF EDUCATION

DISTRICT CODE: FDATE ADOPTED:

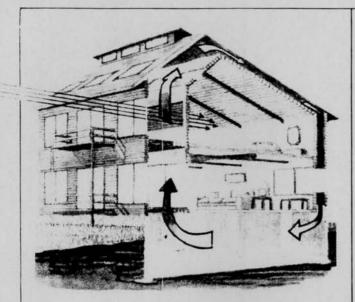
FD

#### FACILITIES FOR PRIVATE GAIN

Employees shall not use school district buildings, addresses, or telephones to conduct private business ventures. Use of public facilities for personal gain is a direct conflict of interest. Any exceptions must have prior written approval of the building administrator.

Any violation of this policy shall be referred to the appropriate supervisor. On the first offense a written warning will be issued to the staff member with a copy placed in his or her district personnel file. Further violations shall be considered insubordination and shall be dealt with accordingly based on applicable collective bargaining agreements, if any, and Minnesota statutes.

#### **Tomorrow in Brief**



01989 ENERTIA BUILDING SYSTEMS, INC.

"Envelope" around living areas of solar house regulates temperature.

#### A New Solar House

A new house is heated and cooled without using man-made energy. All energy for the Enertia. House, invented by engineer Michael Sykes, is provided by the thermal inertia of the planet and is controlled and distributed by solar energy. The house has no insulation; rather, the massive walls, ceilings, and floors are made of solid wood impregnated

with salt, which allows them to soak up and dissipate heat in the summer and radiate heat in the winter. The living area is insulated within an outer "envelope" that acts as a convection loop to regulate the temperature without using electricity. Sykes believes that his invention will allow us to "live warm and dry, and not at the expense of future generations."

#### Microfiche Libraries

Books are costly to acquire and maintain, so many Third World libraries may be switching to an "appropriate" alternative: microfiche cards. The cost of a book on small plastic cards, which contain reduced images of up to 133 pages of text, may be as little as 5% of the price of a paperback, according to Ceres magazine. Microfiche cards can be protected from humidity more easily than can books, and a whole library's worth of "books" can be carried around and accessed anywhere there is electricity for the microfiche reader.

#### Medicines May Become Easier to Take

High-pressure squeeze bottles may make it easier for people to take their medicines. Ergonomically designed spray containers developed by Battelle produce a high-pressure spray with a lowpressure squeeze applied to the sides of the container, making it easier to operate for the elderly and others who have difficulty manipulating their fingers. The new spray container could replace many pump sprayers and aerosol cans in the future and could be used with cleaning and other household products.

#### No More Shoveling Snow?

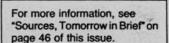
Underground heating tubes buried beneath sidewalks and driveways could soon eliminate the need to shovel or plow snow. "Meltaway" snow-melting tubes made of polyethylene thermoplastic tubing, developed by Wirsbo Company of Lakeville,



Minnesota, can be used to control snow, ice, and frost on streets, sidewalks, shopping areas, parking ramps, and athletic fields. The heating system has also been used indoors under wooden floors and in concrete flooring to distribute radiant heating, which has been found to provide greater comfort at less cost than conventional forced-air systems, according to the company

## Photovoltaic Power Station

A photovoltaic power station will supply 400 kilowatts of power to homes in Davis, California, at a cost of less than \$5 per delivered watt. The power station will be designed and built by Chronar Corporation, a manufacturer of amorphous silicon photovoltaic solar panels. The \$5-per-delivered-watt goal has been a significant cost barrier in the past. "Industry pundits did not think a price under \$5 per installed watt would be achieved for many years," says Richard K. Lenskold, vice president of engineering at Chronar. "The successful construction of this power station is expected to significantly advance the use of photovoltaics as a part of our future energy mix."



#### Antisleep Drug Awakens Interest

People suffering from narcolepsy may soon get relief with a new drug developed by researchers at the National Institute for Health and Medical Research in Lyon, France. The antisleep drug, discovered by Michel Jouvet of Lafon pharmaceutical labs, has been tested extensively in hospitals and military medical settings. Jouvet has tested the drug on himself and found that it increased his productivity, allowing him to remain alert for up to 20 hours and then to sleep well afterwards. Jouvet claims the drug, Modafinil, has no significant side effects, is not habit forming, and does not lose effectiveness over time





LONDON PICTURES SERVICE

Computerized forecast shows possible hazardous roads in Lancashire, England

#### **Forecasting Hazardous Roads**

Thermal mapping of road surfaces will improve winter safety and reduce maintenance costs. Thermal Mapping International (TMI), a new British research institute, has developed a computerized system for forecasting road conditions, using such information as expected minimum surface temperature. TMI's National Ice Prediction System pro-

vides highway engineers with early warnings about which sections of a road network will become critical for motorists. The thermal map information is gathered by transportable infrared thermometers, while microelectronic devices are implanted in the road surface at known hazardous stretches and are monitored.

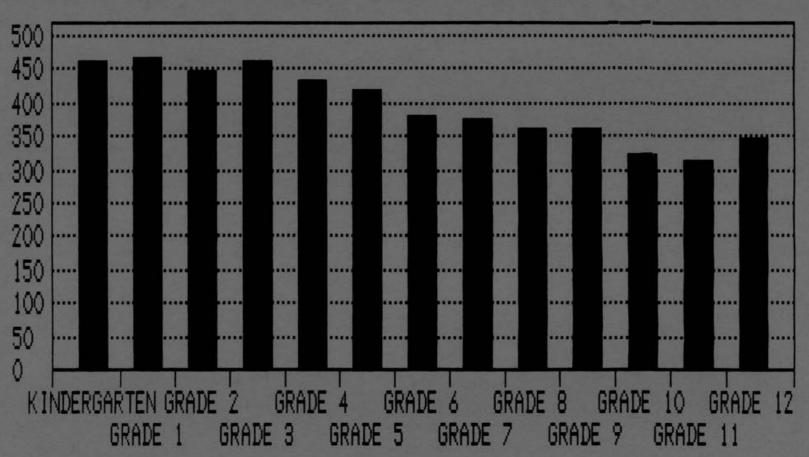
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GRADE	*	85/86	86/87	87/88	88/89	89/90*	90/91	91/92	92/93	93/94	94/95
KINDERGARTEN	*	434	495	465	463	463 * (482)	470	459	445	440	486
GRADE 1	*	361	423	472	460	467 *	458	465	454	440	435
GRADE 2	*	368	396	425	457	448 *	472	463	470	459	445
GRADE 3	*	336	375	413	438	463 *	458	483	474	481	470
GRADE 4	*	331	354	369	410	431 *	465	460	485	476	483
GRADE 5	*	327	332	355	381	416 *	437	472	466	492	483
GRADE 6	*	290	333	348	371	381 *	425	447	482	476	503
GRADES K-4	*	1830	2043	2144	2228	2272 * (2285)	2323	2330	2328	2296	2319
GRADES K-5	*	2157	2375	2499	2609	2688 * (2699)	2760	2802	2794	2788	2802
GRADES 5 & 6	*	617	665	703	752	797 * (807)	862	919	948	968	986
GRADE 7	*	_208	308	339	361	376 * *	391	437	459	495	489
GRADE 8	*	361	302	309	345	370 *	379	395	441	463	499
GRADES 7 & 8	*	669	608	648	706	746 * (746)	770	832	900	958	988
GRADE 9	*	409	387	330	324	362 *	383	392	409	456	479
GRADE 10	*	3.44	419	381	326	321 *	361	382	391	408	455
GRADE 11	*	353	353	400	338	313 *	308	346	366	375	391
GRADE 12	*	341	364	350	383	344 *	320	315	354	374	383
GRADES 9-12	*	1447	1523	1461	1371	1340 * (1343)	1372	1435	1520	1613	1708
GRADES K-6	*	2447	2708	2847	2980	3069 * (3092)	3185	3249	3276	3264	3305
GRADES 7-12	*	2116	2131	2109	2077	2086 * (2087)	2142	2267	2420	2571	2696
GRADES K-12	*	4563	4839	4956	5057	5155 * (5179)	5327	5516	5696	5835	6001
Year-Calendar Births-Moorhea	ad		1983 427	1984 436	1985 426	1986 413	1987	1988			
Births Clay Co			694	694	678	659	408 637	451 670			

# ENROLLMENT MOORHEAD PUBLIC SCHOOLS

Date: November 1, 1989

SCHOOL BLDGS		GRADE 1	GRADE 2	GRADE 3	GRADE 4	GRADE 5	TOTAL
	23-23	22-24	21-20	20-22	25-27	XXXXXXX	TOTALS
	22-24	25-23	20-20	21-25	24-28	XXXXXXX	
		23	21	21		XXXXXXX	
Edison	92	117	102	109	104	XXXXXXX	524
	24-23	24-24	23-24	25-25	27-25	XXXXXXX	324
	24-25	23-24	25-25	27-24	25-27	XXXXXXX	
WATER THE TOTAL PROPERTY.	24-25	24-25	25-25	26-25	24	XXXXXXX	
Probstfield	145	144	147	152	128	XXXXXXX	716
	25-25	23-23	25-25	25-24	31-31	30-28	710
Lincoln	50	21	22	26			
A DE LANGE	23-23						
	22-22						
Riverside	90	67	72	75	62	58	474
	23-20	22-22	22-22	20-23	24-25	26-26	Act of the last
	19-21	22-22	23-24	23-23	26-26	26-27	
	200	22-23	24	24	26		
Washington	83	133	115	113	127	105	676
Total By					Marian	No. of Parties	
Grade	460	461	436	449	421	163	2,390
PRE-SCHOOL:	***********			#		Ball III	A WINDOW
E/BD: Edison	Lincoln	: 10 Riv	erside: 6	ALTINE			16
SPECIAL ED:		shington:					15
STECIAL EU.	Edison:	6 Riv	er: 11	Wash: 13	Probs	:: 5	35
	GRADI	5 0	RADE 6				
ACTURE VALUE OF THE PARTY OF TH			ICADE 0	Spe	ecial Ed.		
Robert Asp	227		370		23		600
Charles will be got !				-	- 23		620
TOTAL ELEMENT	CARY (Pre	e-school	& Special	Fd \			2 076
	ELL THE	53710 ne	- opeciai	14.)			3,076
	GRAI	DE 7	GRADE	8	Special	Ed	
Junior High					opecial	<u> </u>	
School	346		339		61		746
							2.40
	GRADE	9	GRADE 10	GRADE	11	GRADE 12	
	HARTIE .	9 1	GRADE 10	GRADE	11	GRADE 12	
Senior High	GRADE 360	9	GRADE 10 317	GRADE 309	11	GRADE 12	1,327
EMESTER STORY	360			Bushin	11		1,327
Senior High Senior High S	360			Bushin	11		The Real Property lies
Senior High S	360 pecial E			Bushin	11		1,327
EMESTER STORY	360 pecial E			Bushin	11		The Name
Senior High S	360 pecial E			Bushin	11		13
Senior High S	360 pecial E			Bushin	11		13
Senior High S SENIOR HIGH T TOTAL	360 Special E	d.	317	309	11		13
Senior High S	360 Special E	d.	317	309	11		13 1,340 5,162
Senior High S SENIOR HIGH T TOTAL	360 Special E	d.	317	309	11		13

# MOORHEAD ENROLLMENT OCT. 1989



## SCHEDULE FOR NORTH CENTRAL VISITATION COMMITTEE

#### Sunday, December 3

5:00 pm - NCA Committee check in at Days Inn

6:00 pm - Opening session at Days Inn "Dakota Room A and B"

Welcome - Al Lund, Chairman, Board of Education

Dinner and Entertainment, Moorhead High School Carolers directed by Rod Rothlisberger

Remarks - Bob Jernberg, Asst. Supt. of Instruction Gayla Holmgren, Chairperson, Visitation Team

7:45 pm - Plenary Session, NCA Team / Gayla Holmgren, "Dakota Room C"

#### Monday, December 4

6:00 -7:30 am - Breakfast, Days Inn Dining Room "Prairie Loon"

8:00 am - Visitation ----- Various School Sites

12:00 - Lunch ----- Respective School Cafeterias

1:00 pm - Visitation continues at various school sites

3:00 pm - Social Studies Committee meeting (Secondary) - Room 103, Senior High School

3:00 pm - Music Committee meeting (Secondary) - Senior High Band Room, Room 228

3:30 pm - Social Studies Committee meeting (Elementary) - Probstfield Library

3:30 pm - Music Committee meeting (Elementary) - Edison Library

6:00 pm - Dinner, Days Inn "Dakota Room A"

7:00 pm - Plenary Session, Days Inn "Dakota Room C"

#### TUESDAY, DECEMBER 5

6:00 -7:30 am - Breakfast, Days Inn Dining Room "Prairie Loon"

8:00 am - Visitation ----- Various School Sites

12:00 - Lunch ----- School Cafeterias

1:00 pm - Visitation continues at various school sites

1:00 pm - Transportation Committee - Townsite Centre, Board Room

2:00 pm - Food Service Committee - Senior High School, Room 214

3:00 pm - Social Workers and Psychologists Committee - Townsite Centre, Board Room

3:00 pm - Guidance and Counseling Committee - Senior High School Library

3:00 pm - Nursing Service Committee - Senior High School Library

6:00 pm - Dinner, Days Inn "Dakota A"

7:00 pm - Plenary Session, Days Inn "Dakota C"

#### WEDNESDAY, DECEMBER 6

7:00 am - Breakfast, Days Inn Dining Room "Prairie Loon"

8:00 am - Visitation continues and time to prepare final report

12:00 - NCA Committee Hotel Check Out

12:00 - Lunch --- School Cafeteria, school of your choice

1:00 pm - Turn in final report - Senior High Conference Room

3:30 pm - Exit report to staff, administration and Board in Senior High Auditorium - Gayla Holmgren, Chairperson, NCA ADMINISTRATIVE POLICY OF THE MOORHEAD PUBLIC SCHOOLS

DISTRICT CODE: IICA - A DATE ADOPTED:

#### SUPERVISION EXTENDED DAY (K-12)

Field trips and other student activities involving travel may be authorized by the School Board or designated administrator when such trips or activities contribute substantially to the achievement of desirable educational goals. In planning and authorizing such trips, primary consideration shall be given the educational values to be derived and the safety and welfare of the students involved.

The Board expects all students to be under assigned adult supervision at all times when engaged in school-sponsored activities. No teacher or other staff member will leave his/her group unsupervised except as an arrangement has been made to take care of an emergency.

To insure adequate supervision, the activity coach/advisor is responsible for the following:

 Assure that the student/adult chaperone ratio is adequate

2) Follow emergency procedures if necessary as outlined by

the activities office or building principal.

Providing the activities director or principal with relevant information either prior to the season or before an individual field trip as necessary. This includes:

A roster of students
Trip itinerary
List of chaperones
List of special needs students and steps to
accommodate them
Name of motel or other overnight accommodation
Emergency phone numbers at the destination

A form is provided in each school's office.

Coaches and advisors will review expectations of conduct with students in advance of travel. The expectations of students outlined in the District 152 Discipline Handbook are in effect 24 hours a day for the duration of the trip. If a student misbehaves his/her parents will be contacted and appropriate actions taken.

When engaged in school sponsored activities, students will be released only at the request of parents.

POLICY OF THE MOORHEAD, MN BOARD OF EDUCATION

DISTRICT CODE: DJI

#### EMPLOYEES AS VENDORS TO STUDENTS

Student purchases of textbooks, supplies, materials, tools, or equipment for instructional purposes shall be made from the vendor, through a school store, parts department, or school district P.O..

School district employees should not become involved in making purchases from private or public vendors and then selling those items to students. An exception to this policy must have prior approval from appropriate supervisor.

Any violation of this policy shall be referred to the appropriate supervisor. On the first offense a written warning will be issued to the staff member with a copy placed in his or her district personnel file. Further violations shall be considered insubordination and shall be dealt with accordingly based on applicable collective bargaining agreements, if any, and Minnesota statutes.



#### **Minnesota Department of Education**

Capitol Square

550 Cedar Street

Saint Paul, Minnesota 55101

Phone: (612) 296-0324

#### SCHOOL BOARD RESOLUTION

WHEREAS in recognition of the special educational needs of children of migratory farm workers the Congress of the United States has declared it to be the Policy of the United States to provide funds to State Departments of Education for the purpose of providing special educational programs designed to meet the special educational needs of the children of migratory farm workers and

WHEREAS School District # 152 at Moorhead, MN (City or Town)

is centrally located in an area of the state in which large numbers of migratory farm workers are employed on a seasonal basis, and

WHEREAS the district is being requested by the State Department of Education to cooperate in an effort to provide an educational program for the children of migratory farm workers designed to meet their special educational needs during their residence in the area;

BE IT THEREFORE RESOLVED that the District shall submit an application for a Chapter I Migrant Education grant to operate a Migrant Education project during the summer of 1990, The State Department of Education is requested to coordinate this application process with,

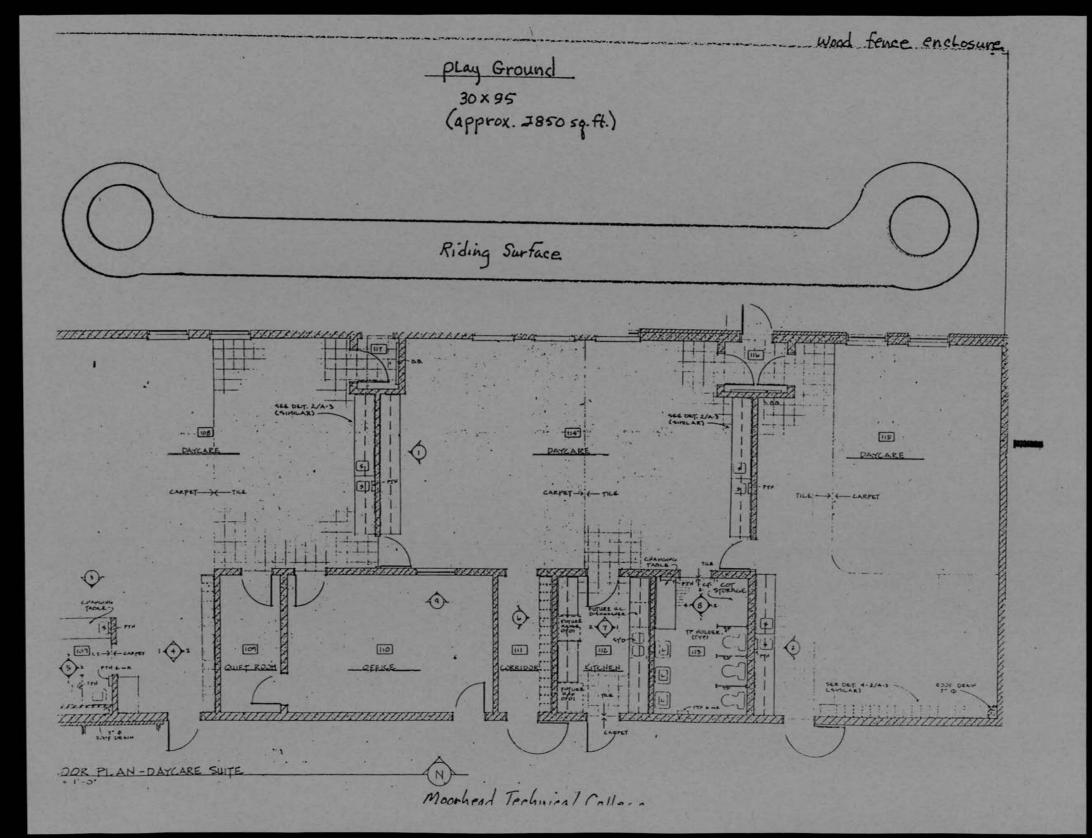
James Nigg

(Name of District Staff Person)

who is hereby designated as the district contact person for the 1990 Migrant Education summer project.

IT IS UNDERSTOOD THAT coordinated with the Chapter I Migrant Education project, day care and Head Start services will be provided directly by the Tri-Valley Opportunity Council, Inc. to the preschool aged children of migratory workers. While the district is not the fiscal host for these preschool services, the district will cooperate in the operation of this preschool component of the Migrant Project, thereby, assisting in the provision of comprehensive services to migrant children.

SIGNATURE	
TITLE	
DATE	



ISD 152 shall retain as its property all betterments and improvements to the premises and all fixtures, including business fixtures, together with all personal property owned by it and located on the premises.

17. Provider will be required to operate facility Monday through Friday from 6:45 a.m. to 5:00 p.m. based on the MTC school calendar which consists of three quarters and possibly two summer sessions. In addition to those hours, the MTC operates an extended day Monday through Friday and occasionally on Saturday requiring additional child care center hours.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first above written.

(Provider name)	Independent School District #152
Ву:	By: Chair, Board of Education
	By:

POLICY OF THE MOORHEAD, MN BOARD OF EDUCATION

DISTRICT CODE: FD DATE ADOPTED:

#### FACILITIES FOR PRIVATE GAIN

Employees shall not use school district buildings, addresses, or telephones to conduct private business ventures. Use of public facilities for personal gain is a direct conflict of interest. Any exceptions must have prior approval of the building administrator.

Any violation of this policy shall be referred to the appropriate supervisor. On the first offense a written warning will be issued to the staff member with a copy placed in his or her district personnel file. Further violations shall be considered insubordination and shall be dealt with accordingly based on applicable collective bargaining agreements, if any, and Minnesota statutes.

Dace

2	Minneeota
10.6	Department o
N. T.	Education

## District Tata/Mem's Information NONRESIDENT STUDENT TO Tapitol Square - 500 Cedar Sc. Paul, M. 55101 ATTENDANCE AGREEMENT ATTENDANCE AGREEMENT

DEMERAL INFORMATION AND INSTRUCTIONS: This form is used to notify the Minnesota Department of Sources on MDE of the Proposition of Subsequent Withdrawal graduation of an eligible nonresident student oursuant to Minnesota Stations with the proposition of the Completion of this deport allows the serving district to claim the nonresident stations.

to: foundation and as a routhin ten days of the entrected. Use one nocifi	nrollment or withdrawal/graduation	esponsible for sending this signed ign of the studence. Provide all retuen	reament to the indive posterious seed take and is grass when the
	Independent School Dist	rict #152 Moorhead	3.152
TOENTIFICATION	Barnesville, MN		Just 146 Samber
INFORMATION	Scudent Name (last. first. M-L.) Waller Tara	D.	General Section
	Rt. 1 Box 61	Barnesville MN	(218,789-7355
ENROLLMENT For a	nrollment notices, check item 1, 2 o advaces, copy the original notice, c	or 3 and report the Effective Dace. Withdished item 4 or 3 and report the Wichd	hen the student vitadraws rawal/Graduation Date.
1. H.S., Sec. 120.0  The school board  the geographical  MOTE: Signature  are required in	a of two districts may agree to tran resident district to the serving di s of superintendents of both the serverification items A and B, respecti	men School Boards; Eurollmant Exceptions of the residency of a student from strict by completion of this report. This resident districtly.  The Program. This statute provides for	1cc. 9 5/89
the cransfer of	residency of eligible students to a finition of eligible students. The strict must complete and sign verifi	nonresident district. Refer to the superintendent of the serving	EFFECTIVE DATE:
eleventh or twell years and whose enrollment as a	752, Subd. 3: Continued Excellment fth grade student who has been entol parent(s)/guardian(s) has moved to a resident student of the district. I strict must complete and sign verifi-	The superincendenc of the serving	
of the serving (	nonresident) district must complete student previously reported under it	tem 1, 2 or 3 above. The superintende and sign verification scatement C bel tem 1, 2 or 3 above. The superintende and sign verification statement C bel	DATE OF CEADUATION:
		) DISTRICT VERIFIC	ATION
The achool board of dia	ols of the district. Pursuent to		ne enrollment of the above
Signacure	- Superincendenc / Responsible Aucho	ricy. Serving Discrete	Dace
	B. RESIDENT DISTRI		he enrollment of the above
The school board of di named resident student 1 and 2, the student w	in the nonresident (serving) discritil be considered a resident of the	ict named above. Pursuant to Minneso	
		7. 7.	
Signature	- Superincendent / Responsible Author	ority, Resident District	Dace .
C V	ERIFICATION OF GRA	DUATION / WITHDRAWA	C .
		no longer enrolled in discrict number	

Signature - Superintendent / Responsible Authority, Serving District

# Appendix Z-1

### NTRODUCTION TO OUTLOOK '90

The forecasts in Outlook '90 appeared during the past year in THE FUTURIST magazine. They come from a variety of authors and sources and do not necessarily reflect the views of the editors of THE FUTURIST or of the World Future

Some of these forecasts are specific predictions about the future, such as how soon we will have robots with human intelligence. Other forecasts are more speculative, pointing to where the authors feel we may be heading. Still others are cautionary reports, noting trends that the authors feel should either be encouraged or avoided. Opinions differ on such issues as environmental damage and health trends, and some of the forecasts may seem contradictory. In all cases, though, the forecasts were chosen because they provide thought-provoking ideas about the future.

We are now a scant decade away from the year 2000 — a year that, for many people, symbolizes "the future." What do the forecasts in Outlook '90 tell us about the last years of the twentieth century and the beginning of the next millennium?

For one thing, futurists seem to be looking at new technologies less as a panacea and more as a tool to be used in combination with appropriate actions to help solve the problems of tomorrow. In other words, futurists do not anticipate a technological "fix" for everything in the future; human behavior will also need to be appropriately modified. For example, while futurists expect that a vaccine to prevent AIDS will eventually be developed, they note that educating people on how AIDS is spread will be the key to preventing new cases of AIDS, at least until the mid-1990s.

At the same time, the forecasts in Outlook '90 indicate that futurists don't believe economic constraints will keep us from adopting new technologies in the future. In fact, many technological advances are expected to pay for themselves or cost less than the technologies they replace. Forecasts that fuels will be manufactured from water or even air or predictions that communications advances will allow workers to "telecommute" around the world to provide needed labor indicate that tomorrow's technologies will, in many cases, be an economic boon rather than a burden.

Perhaps what we can see most clearly from these forecasts, however, is how important are the choices that will need to be made in the 1990s. Education, the workplace, our environment, and a host of other areas face serious challenges that will test our foresight capabilities. Outlook '90 makes a convincing case that the worst mistake we can make is to believe that we can ignore these problems and they will get no worse. Opportunities to make the future better will be many, but they will require action, not apathy.

Details of the forecasts in Outlook '90 may be found in the issue of THE FUTURIST indicated at the end of each entry, on the page number listed. The names indicate the author of a feature article; items without an author's name come from departments in the magazine such as Tomorrow in Brief, Future Scope, Future Active, or World Trends & Forecasts.

## USINESS AND THE ECONOMY

- Employers will increasingly provide paid "mental-health days," or flexible leave time, to allow workers to relieve stress. Stress and mental-health care will become more important workplace issues in the future, according to 95% of personnel officials polled. —Nov/Dec'88, p. 6
- Companies will recognize the need to provide more "eldercare" benefits - similar to child-care benefits — to assist workers who must care for older relatives. - Nov/Dec '88, p. 7
- Cash money will become illegal in the future for all but very small transactions. Restrictions on the use of cash, chiefly paper money, would provide a cheap and effective method of crime prevention and detection. By 2050, no paper money with a value of more than \$10 will remain in circulation.
  - Beckwith, Mar/Apr '89, p. 27
- By the year 2100, the number of U.S. banks will be fewer than 100, compared with about 15,000 in the 1980s. Small independent banks will increasingly be bought by banking chains, and most of those that are not bought will fail in the face of chain banks that offer an expanded array of services and discounts.

- Beckwith, Mar/Apr '89, p. 31

# OUTLOOK'90

- "Smart cards" plastic cards that contain a microprocessor and a memory will replace pocket change, credit cards, and most forms of identification in the near future. By the early to mid-1990s, one-third of all Japanese bank cards could be smart cards.
   Jul/Aug '89, p. 7
- Hypermarkets giant stores that carry a variety of products ranging from food and hardware supplies to clothing and appliances, as well as services such as dry cleaning and haircutting — will grow in number and economic impact during the 1990s.

- Jul/Aug '89, p. 54

 Hotels will be increasingly high-tech in the future. Electronic check-in and check-out using sensing devices worn by guests, hotel rooms equipped as offices complete with computers and fax machines, and other electronic services will cater to a growing number of sophisticated business and nonbusiness travelers.

- Jul/Aug '89, p. 55

- A computer-guided, robotic lawn mower may soon be on the market. The self-propelled mower has sensors built in to "see" where the grass needs to be cut and to avoid objects such as trees.
   Jan/Feb '89, p. 39
- Robots with human intelligence will be common within 50 years. Moreover, robots may one day possess levels of intelligence far greater than that of humans.
   Mar/Apr '89, p. 52



 Homo sapiens may be replaced as the superior thinking being on Planet Earth during the course of the twenty-first century. Biological evolution will no longer be in command as the forces of artificial intelligence reign supreme.

- Pelton, Sept/Oct '89, p. 14

## COMPUTERS AND AUTOMATION



- Household robots may be as common as vacuum cleaners and refrigerators in the homes of the future.
   Specialized robots will be able to clean the floor, protect the house from intruders, or supervise other robotic devices to awaken the owner, prepare breakfast, or set out the day's wardrobe.
   — Cornish, Nov/Dec '88,
- Future furniture will be "smarter," able to communicate with householders and move about the home. Voice-commandable robotic tables and chairs are already helping some elderly and handicapped people to

p. 25

live at home rather than in an institution. Nonhandicapped people may also desire robotic furniture that obeys their commands.

- Cornish, Nov/Dec '88, p. 24

- Computer chips will be put in everything from houses to clothing, providing objects with voice-recognition capability and synthesized speech and allowing people to converse with inanimate objects. Glenn, Sept/Oct '89, p. 18
- By the year 2000, computers with automatic language translation and voice-synthesis capabilities will enable people to speak in one language that listeners will hear translated into another language. Glenn, Sept/Oct '89, p. 18

## CRIME AND SECURITY

- Computers will be a popular target for terrorists in the future, both by computer viruses and by physical attacks on computer installations.

   Cetron, Jul/Aug '89, p. 22
- Emerging technology will make possible the 24-hour-a-day visual surveillance of any or all individuals in our society. Cameras and monitors that see and hear through walls are already available, as are electronic monitors that can be attached to individuals for control and/or tracking.
   Stephens, Sept/Oct '89, p. 24
- Physical restraints for criminals will become unnecessary in the future with the widespread use of electrical and chemical stimuli implanted in the body, allowing 24-hour-a-day control of individuals' behavior.

- Stephens, Sept/Oct '89, p. 24

## DEMOGRAPHICS

 The number of Americans over age 75 will grow by almost 35% by the year 2000.

— Amara, Nov/Dec '88, p. 16

• By the year 2000, the world's population will increase from today's 5 billion to more than 6 billion people. Ninety-two percent of this growth will take place in developing countries.

- Cruver, Jan/Feb '89, p. 34

• By the year 2025, Christians in first-world countries will comprise slightly less than one-fourth of all the world's Christians.

- Dunn, Mar/Apr '89, p. 35

- Millions of people who are alive today will still be alive in 2080; the number of centenarians has grown rapidly and will increase dramatically in the twenty-first century. — Mar/Apr'89, p. 57
- Almost one-fourth of the world's population will be Moslem by the year 2020.

- May/Jun '89, p. 6

• The greenhouse phenomenon may cause Canada's population to surpass that of the United States, as Americans emigrate to Canada's more-temperate climate.

- Owen, Sept/Oct '89, p. 36

## ENERGY

• The retirement of aging coal and nuclear power plants will be beneficial to the environment, but declining capacity and output could lead to blackouts and disrupt America's economy before the turn of the century.

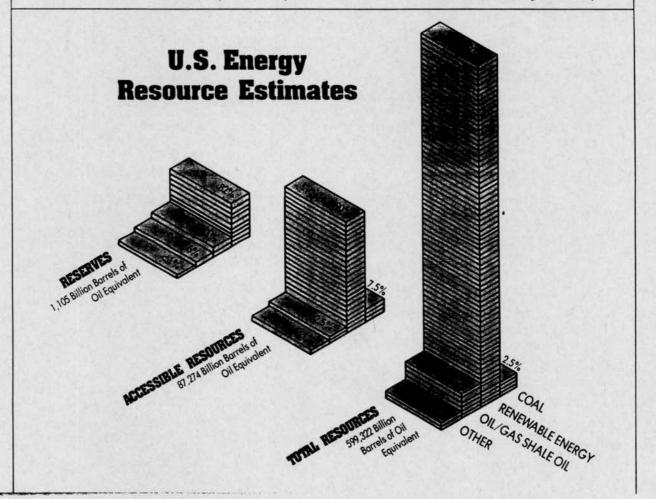
- Cruver, Jan/Feb '89, p. 30

 Atmospheric carbon dioxide may be converted to methanol in the future and used as a fuel for cars. Specialized molecules would remove CO<sub>2</sub> from the air and reduce them first to carbon monoxide and then to methanol.

- Mar/Apr '89, p. 5

- Hydrogen is likely to become a widely used, nonpolluting fuel in the future, in either liquid or compressed gaseous form. Hydrogen is the most common element in the universe and can be generated from coal, natural gas, oil, or even water.
   Renner, Marl Apr '89, p. 20
- Renewable energy resources could be the major sources of power in the future. Renewable resources such as wind, sunlight, geothermal heat, and falling water account for 93% of total U.S. energy resources, or the equivalent of 599 trillion barrels of oil.

- San Martin, May/Jun '89, p. 38



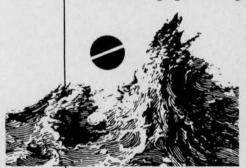
 The operating costs for American nuclear power plants are rising so fast that electric utilities may find it cheaper to close them before the end of their useful lives. However, reactors that are smaller, modular, and safer may be ready for commercial use by 2010.

- Cruver, Jan/Feb '89, p. 33

## ENVIRONMENT AND RESOURCES

- Zoos of the future will be cageless. "Biopark" exhibits will show animals in their natural environments, yet protect people with unobtrusive barriers such as moats, fine netting, and - Nov/Dec '88, p. 38 electrical systems.
- Hazardous-waste disposal may be eased by a "waste-eating bug" - a bacterium or yeast created through genetic engineering.

- Jan/Feb '89, p. 5



and then biodegrades itself.

 Vitamins will be used in the future to fight water pollution. Vitamin B2, or riboflavin, can help to destroy pollutants such as pesticides and industrial wastes

-Mar/Apr'89, p. 6

 Cities of the future may feature urban streams and marshes, waterfalls, woodlands, forests, wildlife, and even farms. Such nonurban amenities could ease the problems of energy demand, water and food shortages, pollution, and



- One-fifth of the world's remaining tropical forests face destruction or permanent damage by the year 2000. May/Jun '89, p. 53
- Rising seas due to global warming will likely supplant encroaching deserts and other forms of land degradation as the major threat to habitability. A one-meter rise in ocean levels worldwide could result in 50 million "environmental refugees"; climate change could cause sea levels to rise more than two meters by the end of the next century. — May/Jun '89, p. 54
- Future sewage-treatment plants may use sound waves and heat to dry out sludge in a matter of seconds, allowing cities to shrink their sludge volume dramatically. — Jul/Aug '89, p. 6
- Future gardens will have artificial plants that can be programmed to change colors — or even species — with the seasons.

- Vick, Jul/Aug '89, p. 29

## HEALTH

- Infectious medical wastes such as surgical gloves, gowns, syringes, and needles will increasingly be incinerated safely in on-site coal-fired boilers. The result will be reduced hazardous wastes, lower energy costs for heating and other hospital uses, and lower health-care costs. - Nov/Dec '88, p. 7
- Common baker's yeast will be used by bioengineers to help produce enzymes that eat blood clots and to make hormones that regulate the human body's weight-control mechanisms.

Nov/Dec '88, p. 6

- Attempts to slow human aging processes and prolong the life-span may begin within the next decade. Scientists have already succeeded in retarding aging in roundworms with Vitamin E, an antioxidant chemical. Oxidation, which causes damage to body cells, is an underlying mechanism of aging. - Jan/Feb '89, p. 6
- Robots may soon assist in the early diagnosis of breast cancer. The use of robots would overcome such problems as the variations in diagnosis from one doctor to another, the subjective interpretation of data, and the prospect of a shortage of qualified doctors to diagnose the disease. — Mar/Apr '89, p. 5
- The development of a vaccine to prevent AIDS is unlikely before 1994.

- Wagner, May/Jun '89, p. 17

• The number of physicians in the United States is expected to outpace patient demand for services by nearly 10% in the year 2000.

- May/Jun '89, p. 7

- Replacing defective genes with healthy substitutes will be a common medical practice in the near future. By the year 2010, every family will probably have a member who has undergone such a treatment. May/Jun '89, p. 57
- Food and pharmaceutical companies will unite in the 1990s to form "pharmi-food" companies. Immunologists will create foods that can treat viruses and cancer. Jul/Aug'89, p. 43
- Aromatherapy the use of smells for both physical and mental therapy will gain broad acceptance and commercial marketability in the 1990s.
   Jul/Aug '89, p. 43
- By the turn of the century, all major organs except the brain and the central nervous system could have artificial replacements. The day will come when a human being has over 50% of the volume of his or her body composed of technological implants.

- Glenn, Sept/Oct '89, p. 15

#### restres, thes and the family

- There will be an increase in two-generation geriatric families during the 1990s adult children in their 60s and 70s caring for parents in their 90s.
  - Wagner and Cornish, Jul/Aug '89, p. 38
- Affordable housing for low-income families will be a major problem for the United States in the 1990s. Contracts on more than 3.5 million units of subsidized housing will expire, and landlords will be able to rent those units at market rates.
  - Wagner and Cornish, Jul/Aug '89, p. 38
- The nuclear family will be replaced by several generations of families living under the same roof in the twenty-first century. Three, four, and even five generations alive at the same time will render the old child-centered nuclear family obsolete.

   Jul/Aug '89, p. 39
- The physical design and environment of America will start to change in the 1990s to accommodate a middle-aged and older population. For example, traffic lights will change more slowly, allowing more time for less-agile people to get across intersections. Jul/Aug '89, p. 39

## SPACE

• Mars could one day be biogenetically transformed into a living planet. Lasers or giant mirrors put into orbit around Mars might melt the polar ice caps, releasing carbon dioxide and water vapor into the atmosphere and thus creating a "greenhouse" effect. Within 200 years, the temperature of Mars could rise to the point where simple genetically engineered microorganisms would grow. Within 100,000 years, green plants might produce enough oxygen for humans to survive on Mars.

- Jan/Feb '89, p. 42

- Computer models to track small particles of space debris may prevent costly collisions with spacecraft.
   Jan/Feb '89, p. 7
- Japan is developing space robots for maintenance and repair of future spacecraft. Space robots will be expected to fly freely in space when approaching a worksite.

— Mar/Apr '89, p. 50

 Engineers may someday create a space-sailing vessel equipped with thousands of square yards of ultra-thin plastic sails that will catch a ride on the sun's radiant energy and glide to the moon, powered by photonic propulsion.

— Sept/Oct '89, p. 5



# **OUTLOOK'90**



## TECHNOLOGY

- Solar concentrators that achieve an intensity 60,000 times the sun's normal intensity on earth may be used in lasers to help break up and dispose of hazardous wastes, separate isotopes to create nuclear fuels, and improve laser communications in space.
  - Mar/Apr '89, p. 54
- Windows in future houses and cars will automatically change from transparent to opaque when the sun shines too brightly. The windows will reduce glare and air conditioning required in the summer and make more-efficient use of solar-heat gain in the winter.
  - Jan/Feb '89, p. 6
- Photonics the gathering, transmitting, and processing of speech, data, pictures, and other information by means of light could revolutionize telecommunications in the 1990s. Photons move at the speed of light as much as a thousand times faster than traditional electronics. Mar/Apr '89, p. 53
- Recycled plastic soda bottles may be used to make hubcaps, dashboards, and valence panels for car bumpers, replacing expensive resins currently used by the auto industry.
   Jan/Feb '89, p. 5

There will be more than 30 million facsimile machines in the United States by the year 2000
 — up from less than 5 million in the late 1980s.

- Jul/Aug '89, p. 5

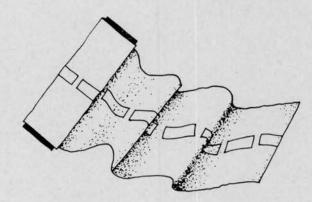
• Microspace will be as much a frontier as outer space. Nanotechnologies and micromanufacturing have become so precise that it will be possible to put vast amounts of information on a single computer chip the size of a pencil point and place it in anything from the human nervous system to artificially intelligent machines.

- Glenn, Sept/Oct '89, p. 19

## TRANSPORTATION

 Navigation systems onboard automobiles will help drivers reach their destination faster, avoid traffic jams, and even find a parking space. Such navigation systems will come into widespread use by the year 2000.

- French, May/Jun '89, p. 30



- Geotextiles paving materials made from synthetics that resemble the heavy fabric used for drapes will be used to pave highways in the future.
   May/Jun '89, p. 6
- The average travel speed on roads in Southern California is expected to drop to 15 miles per hour by the year 2000, due to congestion. In the United States, over 7 billion gallons of fuel will be wasted by congestion-related delays per year by 2005.

- Renner, Mar/Apr '89, p. 15

