

DATE: July 17, 1995
TO: Galaxy Classroom Meeting Participants
FROM: Mike Schmidt, DPC
RE: Background Information on GM's Galaxy Classroom

In preparation for tomorrow's meeting with **Harry Pearce, Executive VP of General Motors, from 2:00-3:00 in room 211**, I have put together some background information on the Galaxy Classroom program. I have attached a bio on Mr. Pearce, a list of Galaxy Classroom's Advisory Council, and a short 2-page description of the Galaxy Classroom Project for your review. If you are interested, I have a 20 page summary of an evaluation the Far West Labs did for Galaxy back in 1993 that I can get to you at your request.

As far as I can understand, Mr. Pearce and GM want to get an idea of any possible interest that the Federal Government may have in the Galaxy Program, whether through data collection or funding of the program. While I am not optimistic about the ability of the Federal Government to fund anything in this area right now given the current Budget situation, I look at this meeting as an opportunity to talk about educational technology more generally with a high-ranking official at one of this country's largest corporations.

William Brooks
Wal M Hinderlang

HARRY J. PEARCE**Executive Vice President, General Motors Corporation****Hometown: Bloomfield Hills, Michigan****Born: Bismarck, North Dakota****Education: B.S., United States Air Force Academy, 1964
J.D., Northwestern University School of Law, 1967****Marital Status: Married (Katherine)
3 Children****Background:**

1994- Executive Vice President, General Motors Corporation
1992-1994 Executive Vice President and General Counsel, General Motors Corporation
1987-1992 Vice President and General Counsel, General Motors Corporation
1986-1987 Associate General Counsel, General Motors Corporation
1970-1985 Senior Partner, Pearce and Durick Law Firm, Bismarck, N.D.
1976-1980 Police Commissioner, City of Bismarck, N.D.
1970-1976 Municipal Judge, United States Commissioner, and U.S. Magistrate, Bismarck, N.D.
1967-1970 Staff Judge Advocate, U.S. Air Force; Certified as Military Judge

Directorships:

Member, GM Hughes Electronics Corporation's Board of Directors
Member, Electronic Data Systems Corporation's Board of Directors
Member, General Motors Acceptance Corporation's Board of Directors
Member, American Automobile Manufacturers Association's Board of Directors
Member, Economic Strategy Institute's Board of Directors

Affiliations:

Fellow, American College of Trial Lawyers
Fellow, International Society of Barristers
Member, Northwestern University School of Law Visiting Committee
Trustee, Howard University
Trustee, New Detroit, Inc.
Chairman, Product Liability Advisory Council Foundation
Founding Member, Minority Counsel Demonstration Program of the American Bar Association's Commission on Opportunities for Minorities in the Profession
Member, American Law Institute
Member, The Mentor Group's Forum for the U.S. Supreme Court and the European Court of Justice
Member, United Way for Southeastern Michigan's Board of Directors and Vice Chair of Solicitation

Former Affiliations:

Member, Board of Visitors, United States Air Force Academy, 1990-1992
Member, National Board of Directors, Mothers Against Drunk Driving (MADD), 1990-1992
Member, Interim Legislative Committee responsible for drafting of North Dakota Criminal Code
Member, Special Procedure Committee responsible for drafting of the North Dakota Rules of Criminal Procedure
Vice Chairman, Citizen's Committee on the new Judicial Article, 1976-1979
Member, Legislative Interim Judicial Systems Committee, 1976-1977
Member, Court Services Administration Committee, 1976-1985
Member, Bismarck Hospital Board of Trustees and Executive Committee, 1975-1985

Admissions:

United States Supreme Court
United States Court of Military Appeals
Eighth Circuit Court of Appeals
Various United States District Courts and State District Courts
Michigan Supreme Court

Educational Honors and Other Awards:

Northwestern University School of Law: Hardy Scholar, three years; Dean's List; National Moot Court Team
Northwestern University Alumni Merit Award
United States Air Force Academy: Honor Committee; Dean's List; Commandant's List;
Superintendent's List; Major General Fochet Award; Graduated in Top Ten Percent of Class of 1964; Addressed Cadet Wing in Connection with Distinguished Speakers Program, 11/16/93
American Bar Association's Commission on Opportunities for Minorities in the Profession

Rev. 9/16/94



GALAXY CLASSROOM NATIONAL ADVISORY COUNCIL

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	<i>Past President</i>	<i>National Association for the</i>
		<i>Education of Young Children</i>
Dr. Antoine Garibaldi	<i>Vice President, Academic Affairs</i>	<i>Xavier University of Louisiana</i>
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Dr. Stuart Gothold	<i>Superintendent</i>	<i>Los Angeles County Office of Education</i>
Dr. J. Jerome Harris	<i>President</i>	<i>J. Jerome Harris and Associates</i>
	<i>Former Superintendent</i>	<i>Atlanta Public Schools</i>
	<i>State Administrator</i>	<i>Compton Unified School District</i>
Dr. Guilbert Hentschke	<i>Dean, School of Education</i>	<i>University of Southern California</i>
Dr. William Keene	<i>Special Assistant to the Dean of Education</i>	<i>University of Delaware</i>
	<i>State Superintendent of Schools Emeritus</i>	<i>State of Delaware</i>
Dr. Ted Kimbrough	<i>President</i>	<i>National Alliance of Black School Educators</i>
	<i>Former General Superintendent</i>	<i>Chicago Public Schools</i>
Ms. Margaret Loesch	<i>President</i>	<i>Fox Children's Network</i>
Dr. James Loper	<i>Executive Director</i>	<i>Academy of Television Arts & Sciences</i>
Dr. Shirley McBay	<i>President</i>	<i>Quality Education for Minorities Network</i>
Dr. Jack MacDonald	<i>Coordinator-State Leadership Project</i>	<i>Council of Chief State School Officers</i>
Dr. Floretta McKenzie	<i>President</i>	<i>The McKenzie Group</i>
	<i>Former Superintendent</i>	<i>Washington, D.C. School System</i>
Mr. Harvey Myman	<i>Producer</i>	<i>The Carsey-Werner Company</i>
Dr. Wilson Riles	<i>President</i>	<i>Wilson Riles & Associates, Inc.</i>
	<i>Former Superintendent</i>	<i>California State Dept. of Public Instruction</i>
Dr. James Rutherford	<i>Chief Education Officer</i>	<i>American Association for the Advancement of</i>
		<i>Science</i>
Dr. Samuel Sava	<i>Executive Director</i>	<i>National Association of Elementary School</i>
		<i>Principals</i>
Mr. Albert Shanker	<i>President</i>	<i>American Federation of Teachers</i>
Dr. Thomas Shannon	<i>Executive Director</i>	<i>National School Boards Association</i>
Mrs. Marlene Navarro-Wilson	<i>Director of Instruction</i>	<i>Lennox School District, California</i>
Dr. S.B. Woo	<i>Professor of Physics</i>	<i>University of Delaware</i>
	<i>Lieutenant Governor Emeritus</i>	<i>State of Delaware</i>

GALAXY CLASSROOMSM FACTS

The Mission

GALAXY Classroom—a bold blueprint for 21st century education that promises to produce breakthroughs in student learning and classroom teaching. It uses satellite technology to create a new interactive global classroom—a learning network dedicated to dramatically improving elementary education.

The Challenge

America's children are not performing well against their international peers. Their education is not offering what they need to know to live and work in today's competitive world. By many measurable standards, our students aren't measuring up:

- Fewer than one in five U.S. students in grades 4, 8, and 12 reach the competency standard in mathematics, according to the 1992 National Education Goals Reports.
- An estimated 2,250 American students drop out of school each day.
- Fewer than half of today's 17-year-olds possess the basic skills and knowledge needed for college or entry-level jobs.

This situation isn't new. Nearly 10 years ago *A Nation At Risk*, the report of the National Commission of Excellence in Education, was unequivocal in its finding: "If an unfriendly foreign power had attempted to impose on America the mediocre educational performance that exists today, we might well have viewed it as an act of war." *A Nation At Risk* spurred the education reform movement of the 1980s—a movement that led to the creation of the National Education Goals by the president and the nation's governors.

The GALAXY Classroom Response

The GALAXY Classroom integrates technology and teachers, curriculum and communities to create a new and powerful approach to learning. It channels America's creative genius in education, the arts, film,

and technology into challenging and captivating lessons.

The GALAXY Classroom uses satellite technology to create the first interactive global classroom—a learning network dedicated to better preparing our students early, when they are developing their attitudes toward learning. The Galaxy Institute for Education creates quality educational programs to help children at an early age build the cognitive, creative, and literacy

abilities to become enthusiastic, lifetime learners, and productive workers.

GALAXY's satellite telecommunications network aims to reach more than 10 million students in 20,000 schools by the end of the decade with top-quality commercial-free programs that supplement teachers lessons. The GALAXY Classroom hopes to reach all types of students, especially those who are considered to be educationally "at-risk."

GALAXY CLASSROOM DEMONSTRATION SCHOOL SITES

School District	School	City	State
Compton Unified	Theodore Roosevelt Elementary	Compton	CA
Norwalk/La Mirada Unified	D.D. Johnson Elementary	Norwalk	CA
Whittier City	Orange Grove Elementary	Whittier	CA
Los Angeles Unified	La Salle Ave. Elementary	Los Angeles	CA
Los Angeles Unified	Santa Monica Boulevard Elementary	Los Angeles	CA
Los Angeles Unified	15 Street Elementary	San Pedro	CA
Oakland Unified	Hawthorne Elementary	Oakland	CA
Oakland Unified	Longfellow Elementary	Oakland	CA
Sacramento City Unified	Joseph Bonnheim Elementary	Sacramento	CA
Sacramento City Unified	Parkway Elementary	Sacramento	CA
Denver Public Schools	Bryant Webster Elementary	Denver	CO
Denver Public Schools	Oakland Elementary	Denver	CO
Orange County Public Schools	Washington Shores Elementary	Orlando	FL
Atlanta Public Schools	L.J. Campbell Elementary	Atlanta	GA
Atlanta Public Schools	Mary Lin Elementary	Atlanta	GA
Chicago Public Schools	Howland School of the Arts	Chicago	IL
School City of Hammond	Lafayette Elementary	Hammond	IN
Fulton County	Fulton County	Hickman	KY
Holyoke Public Schools	H.B. Lawrence Elementary	Holyoke	MA
Baltimore City Public Schools	Elmer A. Henderson #101	Baltimore	MD
Baltimore City Public Schools	Pimlico Elementary	Baltimore	MD
Detroit Public Schools	Guyton Elementary	Detroit	MI
Detroit Public Schools	Gabriel Richard Elementary	Detroit	MI
Independence Public	Thomas Hart Benton Elementary	Independence	MO
Forest Separate School District	Forest Elementary	Forest	MS
Chama Valley Independent Schools	Tierra Amarilla Elementary	Tierra Amarilla	NM
Community School District 7, NY	Public School 157	Bronx	NY
New York S.D. #7	Public School 40	Bronx	NY
Salem-Keizer School District 24J	Salem Heights Elementary	Salem	OR
School District of Philadelphia	Lewis C. Cassidy	Philadelphia	PA
School District of Philadelphia	Belmont Elementary	Philadelphia	PA
Orangeburg #5	Mellichamp Elementary	Orangeburg	SC
Austin Independent	Becker Elementary	Austin	TX
Austin Independent	Williams Elementary	Austin	TX
Wellpinit	Wellpinit	Wellpinit	WA
Green Bay Public Schools	Nicolet	Green Bay	WI
Raleigh County	Central Elementary	Beckley	WV
Washington D.C. Public Schools	John Eaton Elementary	Washington	D.C.
Washington D.C. Public Schools	Bunker Hill Elementary	Washington	D.C.
State District Zone 28	Felix U. Gomez Elementary	Ciudad Juarez	CHIH. (Mexico)

Honoring Every Child's Strengths

The GALAXY Classroom curriculum engages students and teachers in challenging instruction that builds on every child's strengths. Teachers help students pose their own questions and seek their own answers. After watching a program, students may be asked to write a poem, read a book, do science investigations, keep a journal, or create art that reflects the issues in the program.

During 1993, the GALAXY Classroom is offering programming in two subjects: language arts for 3-5 and science for grades K-5. It will expand to offer mathematics, social studies, geography, comprehensive health, foreign languages, and visual and performing arts.

The GALAXY Classroom integrates telecommunications technology with materials such as bulletins; monthly newsletters; science kits; teachers' and parents' resources guides and tapes; and student magazines. Materials are in English and Spanish, and telecasts are close captioned.

Creating a Global Classroom

Thirty-nine urban, suburban, and rural elementary schools in the United States and one in Mexico are serving as GALAXY Classroom demonstration sites. The schools reflect the racial, ethnic, and regional diversity of America.

The GALAXY Classroom provides each demonstration school with up-to-date technology including a satellite dish, televisions, fax machines, phones, computers, and camcorders. Each school in the GALAXY network can share information with all network schools by fax and voice communications.

The GALAXY Classroom is affordable technology. Demonstration schools receive GALAXY programming and curriculum free of charge. As the GALAXY Classroom starts to expand its network in the fall of 1994, schools will subscribe annually for their participation.

Leadership and Funding

The GALAXY Classroom is produced by the Galaxy Institute for Education in Los Angeles, a 501(c) (3) public benefit corporation initially sponsored by Hughes Aircraft Company. The institute is staffed by a small group of managers, curriculum specialists, producers, and engineers. Their salaries are paid by Hughes Aircraft. The institute has a board that meets quarterly and a 26-person national advisory council.

The Galaxy Institute for Education estimates it will cost \$24 million to conduct the demonstration phase of the project through 1994. Hughes has committed \$12 million on a matching basis, and the National Science Foundation awarded the institute a three-year \$4 million grant. In addition, the Carnegie Corporation of New York and the Stuart Foundations have each contributed \$300,000 to the Galaxy Institute, and the Weingart Foundation awarded the institute \$700,000 to assist GALAXY schools in Southern California.

Teachers Sharing Solutions

GALAXY curriculum treats teachers as professionals by allowing them the freedom to structure and adapt lessons to suit their needs. This flexibility is reinforced during professional development institutes held prior to the introduction of each new curriculum area. The GALAXY Classroom network will be used to telecast seminars and workshops in which teachers can share experiences, solve problems, discuss teaching strategies, and benefit from each other's practices.

Linking Communities and Involving Parents

The GALAXY Classroom brings communities together by linking racially and ethnically diverse students from urban, suburban, and rural areas who would not have had any access to each other if not through the use of technology.

Each GALAXY Classroom has parent coordinators who work with administrators and teachers in implementing and supporting activities. These coordinators join teachers at GALAXY Classroom institutes to learn more about GALAXY curriculum.

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