



DLT Awards – Nebraska

2007 Grant Awards

Faith Regional Health Services, Inc.

Nebraska

\$149,435

Areas Served: Madison, Antelope, Holt, Knox, Pierce

Contact: Ms. Sally McKenzie

Telephone: 402-644-7349

Fax: 402-644-7362

Congressional District: NE – 1 Fortenberry , NE – 3 Smith

This grant will expand an existing Rural Development project by providing wireless cardiac monitors worn by the patients and monitored by hospital staff. The project will also provide for remote telehealth consults in the area psychiatry, infectious disease, nephrology and other specialties. Training opportunities will be enhanced through recording conferences that will be available for viewing on demand.

Good Samaritan Hospital Foundation

Nebraska, Kansas

\$116,952

Areas Served: Buffalo, Brown, Chase, Custer, Dawson, Dundy, Franklin, Furnas, Harlan, Holt, Kearney, Phelps, Red Willow, Rock, Valley, Webster, Jewell, Norton, Phillips, Smith

Contact: Ms. Lesley Bollwit

Telephone: 308-865-2703

Fax: 308-865-2933

Congressional District: NE – 03 Smith, KS – 01 Moran

This project will use telemedicine equipment to provide telepharmacy, forensic interviewing and Hispanic medical interpretation for 22 sites rural sites in central Nebraska and Kansas. They will be electronically linked to a regional hospital center in Kearney, Nebraska.

Educational Service Unit # 8

Nebraska

\$474,424

Areas Served: Madison; Antelope, Boyd, Holt, Knox, Pierce, Wheeler

Contact: Diane M. Wolfe

Telephone: 402-721-7710

Fax: 402-721-7712

Congressional District: NE – 1 Fortenberry; NE – 3 Smith



This project will connect educational entities in the Educational Service Unit # 8 service area with Northeast Community College for the purpose of providing educational opportunities including agriculture courses and leadership programs including Future Farmers of America. The project will also upgrade an existing distance learning network to improve content delivery through the installation of enhanced broadcast equipment for the transmission of digital content to end-users.

Educational Service Unit 17

Nebraska

\$500,000

Areas Served: Butler, Colfax, Madison; Boone, Brown, Cherry, Keya Paha, Polk, Platte, Rock, Nance

Contact: Ms. Diane Wolfe

Telephone: 402-721-7710 x220

Fax: 402-721-7712

Congressional District: NE – 01 Fortenberry; NE – 03 Smith

This distance learning project will provide college preparatory courses for students with interests in agriculture and bio fuels studies.

2006 Grant Awards

Educational Service Unit No. 5

Beatrice, NE

\$484,684

Areas Served: Cass, Fillmore, Gage, Jefferson, Johnson, Lancaster, Nemaha, Otoe, Pawnee, Richardson, Saline, Seward, Thayer, York

Contact: Mr. Al L. Schneider

Telephone: 402-223-5277

Fax: 402-223-5279

Congressional District: NE-01

Rural Development funds will be used to assist local schools in acquiring cutting-edge teleconferencing technology. Mobile carts will be utilized in the classrooms along with local area networks that will provide a plug-and-play environment for distance learning. Videoconferencing sites will increase an existing distance learning system from four to eight sites and archiving capability will create libraries for digital review and learning.

Educational Service Unit 10

Kearney, NE

\$384,803



Areas Served: Blaine, Boone, Buffalo, Custer, Dawson, Franklin, Garfield, Gosper, Greeley, Hall, Harlan, Howard, Kearney, Loup, Merrick, Nance, Phelps, Polk, Sherman, Valley

Contact: Mr. John E. Stritt

Telephone: 308-865-5664

Fax: 308-233-9066

Congressional District: NE-03

Rural Development funds will be used to implement the Central Nebraska Distance Learning Coalition (CNDLC). A major component will be the acquisition of CODEC units and routers as well as additional audio/video equipment. The project will significantly enhance the telecommunications infrastructure available throughout the target area to provide rural students with enhanced quality academic programming. Specifically, the project will offer supportive distance learning equipment, professional development opportunities, improved telehealth curriculum and coordination of synchronous programming within the district.



Educational Service Unit # 16

Ogallala, NE

\$481,681

Areas Served: Chase, Custer, Dundy, Frontier, Furnace, Grant, Hayes, Hitchcock, Hooker, Keith, Lincoln, Logan, Perkins, Red Willow, Thomas

Contact: Ms. Shirley J. Schall

Telephone: 308-334-5160

Fax: 308-334-5581

Congressional District: NE-03

Rural Development funds will be used to extend distance learning opportunities and provide expanded course offerings in the schools and communities of rural Nebraska. The project will utilize interactive distance learning studio equipment to also provide professional development content for faculty and staff.

Faith Regional Health Services, Inc.

Norfolk, Nebraska

\$194,000

Areas Served: Antelope, Boyd, Knox, Madison, and Pierce

Contact: Ms. Sally M. McKenzie

Telephone: 402-644-7349

Fax: 402-644-7362

Congressional Districts: NE-01, 03

Rural Development funds will be used to expand the Faith Regional Health Services telehealth system by providing a bedside cardiac monitoring system for 24-hour acute inpatient cardiac status observation, a Holter monitoring and scanning service, and an event monitor and receiving center which will connect five critical access hospitals.

Good Samaritan Hospital Foundation

Kearney, NE

\$123,866

Areas Served: Brown, Buffalo, Chase, Custer, Dawson, Dundy, Franklin, Furnas, Holt, Kearney, Phelps, Rock, Red Willow

Contact: Ms. Lesley A. Bollwitt

Telephone: 308-865-2703

Fax: 308-865-2933

Congressional District: NE-03

Rural Development funds will be used to provide telemedicine services in central Nebraska. Telecommunications equipment for the project will provide additional clinical services to sixteen rural end-user sites. Services to be provided will include Teletrauma



and emergency mental health care, multi-lingual medical interpretation and additional health care provider education.

The Evangelical Lutheran Good Samaritan Society, dba Nemaha County Good Samaritan Center

Auburn, NE

\$118,079

Areas Served: Nemaha, Richardson

Contact: Mr. Jeff B. Harvey

Telephone: 402-274-4954

Fax: 402-274-4424

Congressional District: NE-01

Rural Development funds will be used to expand home health care to residents of rural Nebraska. The home telemonitoring units will primarily utilize existing standard telephone service to transmit patient data to a secure collection point. Units in the home will allow clients to receive medication prompts and will prompt the client to respond to programmed clinical assessment questions related to their specific condition.

2005 Grant Awards:

Educational Service Unit # 15

Trenton, NE

\$378,800

Areas Served: Custer, Dundy, Furnas, Frontier, Chase, Grant, Keith, Hayes, Harlan, Hooker, Hitchcock, Lincoln, Logan,

Red Willow, Thomas Counties

Contact: Shirley J. Schall

Telephone: 308-334-5160

Fax: 573-633-2138

Congressional District: NE-03

Forty-one rural schools will connect to four hub sites providing teacher and technician training, educational training, job instruction, and job advancement opportunities. Interactive distance learning studio equipment will facilitate services to 4,476 students.



Chase County High School

Imperial, NE

\$183,100

Areas Served: Chase, Arthur, Perkins, McPherson, Keith, Lincoln, Red Willow Counties

Contact: Shirley J. Schall

Telephone: 308-334-5160

Fax: 308-334-5581

Congressional District: NE-03

This project establishes distance learning studios at 15 rural schools. It will also provide teacher and technician training and will benefit the communities involved with educational training, job instruction, and job advancement opportunities for the citizens served by the school districts. A total of 2,516 students, 219 teachers, and almost 10,000 residents will benefit from the project.

2004 Grant Awards:

Good Samaritan Hospital Foundation

Kearney, Nebraska

\$284,766

Area(s) served: Twenty-eight county area in Central, Northern and Southwest Nebraska and North-central Kansas

Contact: Lesley A. Bollwitt, 308-865-2703; Fax 308-865-2933

Congressional District(s): Applicant - NE-03; Project - NE-03, KS-01

Mid-Nebraska Telemedicine Network (MNTN), established in 1995, will use RUS funds to expand and enhance current services currently. Barriers to specialty health care such as severe winter weather, lack of public transportation, long distances to travel, increased poverty and the increasing age of patients make this project essential. The project will focus on clinical services, distance education, teleradiology services and health information. The target population for this project includes 187,471 individuals who reside in the 28-county area.

2003 Grant Awards:

Educational Service Unit # 5; Beatrice, NE

\$153,300

Area(s) Served: Counties of Gage, Jefferson and Thayer

Contact: Al Schneider (402) 223-5277; Fax: (402) 223-5279

Congressional District(s): Applicant 1st and Project 3rd

Educational Service Unit # 5 will utilize RUS grant funds to expand existing school nursing services provided at twenty-one public schools located in Gage, Jefferson, and



Thayer Counties in Southeastern Nebraska. The specific benefits to be gained through this project will include an increase in school nurse availability to students through two-way interactive video contact, an improved access to health care resources for students, faculty, and staff of the public schools through distance learning training courses, and increased health education classes for students.

2002 Award:

Rural Health Partners, Inc d.b.a. Heartland Health Alliance; Holbrook, Nebraska

\$164,640 Grant

Area(s) Served: David City in Butler County; Henderson in York County; McCook in Red Willow County; Red Cloud in Webster County; Superior in Nuckolls County; and, Tecumseh in Johnson County

Contact: Kenneth L. Foster (402) 481-8833; Fax: (402) 481-8306

Congressional District(s): Applicant: 3rd / Project: 1st and 3rd

Rural Health Partners, Inc., d.b.a. Heartland Health Alliance (HHA), a 33 member hospital network in Nebraska and Northeast Kansas, will use RUS grant funds to expand local medical and educational programming opportunities and improve the quality of health care to rural residents in Nebraska. HHA is the largest hospital network in the State of Nebraska. In fiscal year (FY) 2001, HHA received RUS grant funds which are currently being used to include eight (8) rural Nebraska hospitals in the HHA network. This year's grant award (FY 2002) will be used to install the Interactive Video/Distance Learning Network at four (4) additional rural hospitals and two (2) health care centers throughout Nebraska. HHA's Interactive Video/Distance Learning Network is and will continue to be predominately used for medical and education distance learning. However, HHA's network infrastructure can be utilized for other telehealth activities, such as telemedicine consults. In the future, HHA will be working cooperatively with its local hospitals and physicians to utilize the system for telemedicine consults. For the six (6) rural hospital sites in this grant proposal, it is expected that HHA will utilize an existing contract to install interactive video utilizing fiber optics. In the event it is determined that fiber optics are not available or cost prohibitive, access to the network will be made available through high-speed lines. Funding will assist these hospitals with the costs of dedicated transmission and classroom equipment. Each of the rural hospitals included in this grant have dedicated space for interactive video classroom and dedicated staff for this project. This project could potentially serve 16,479 rural residents in the six end-user site location.



North Platte Nebraska Hospital Corporation, d.b.a. Great Plains Regional Medical Center; North Platte, NE

\$484,000 Grant

Area(s) Served: Counties of Box Butte, Dundy, Custer, Furnas, Dawson, Perkins, Chase, Red Willow, Lincoln, Decatur, Keith, Valley, Cherry

Contact: Kim Dyer (308) 535-7495; (308) Fax: (308) 534-5422

Congressional District(s): Applicant 3rd; Project 1st

The North Platte Nebraska Hospital Corporation will use RUS funds to expand a tele-radiology project that began in 1999. The first three phases of a twelve-phase project have been completed. The initial phases, one of which was funded by a RUS grant in FY 2000, have established the basic electronic links between the central hub site and the participating facilities. The funds from this grant will be used to purchase an Ultrasound Mini Picture Archiving Communications System that will enable 14 rural hospital to operate as though they had a radiologist on staff to read and interpret moving ultrasound images in real-time. This system will require fewer repeat exams, decreased turn-around time for results and diagnoses, less travel for patients that need the services and a greater degree of confidence in the diagnosis. It will also be used to provide training opportunities for sonographers. The project service area includes 21 counties in Nebraska and one county in Kansas and covers over 26,000 square miles. Of those counties 15 have been determined to be Medically Underserved Areas by the Department of Health and Human Services which stresses the dire need for health professionals and services in the area. It is the combination of an extremely large service area and the lack of medical providers that underscores the need for this important project. Over 143,000 rural residents have the potential to benefit from this project.

2001 Grant Awards:

Crossroads Distance Learning Education Consortium; Columbus, Nebraska

\$433,830 Grant

Area(s) Served: Butler, Merrick, Platte and Polk Counties

Contact: Ms. Phyllis Brunken; Phone: (402) 564-5753; FAX: (402) 563-1121

Congressional Districts: 1st and 3rd

Crossroads Distance Learning Education Consortium (CDLEC), is a consortium of school districts located in east-central Nebraska. CDLEC proposes to create an interactive video network to provide a broadened curriculum and better preparation of post-secondary education for the students, staff and community adults of the participating school districts. The school districts involved in this project include Columbus, David City, East Butler, High Plains, Humphrey, Osceola, Rising City, Schuyler, Shelby and Stromsburg. Educational Service Units (ESUs) are Nebraska's intermediary educational agencies, responsible for providing shared services such as staff development, special education services, technology and curriculum support to schools within their region.



RUS grant funds in conjunction with matching funds from CDLEC, will be used to purchase digital equipment, compatible with current industry digital standards and circuits, to interconnect the schools with one another by cable, fiber optics, and/or copper wire. The anticipated benefits of this project include providing advanced placement and college-level courses to students; and involving the community in the use of technology for personal and career development.

Mid-American Rehabilitation Telehealth Network c/o Madonna Rehabilitation Hospital; Lincoln, Nebraska

\$306,110 Grant

Area(s) served: Saline, Dodge, and Saunders Counties

Contact: Ms. Jolene Davidson; (402) 483-7102; FAX: (402) 483-8285;

Congressional District: 1st

The Madonna Rehabilitation Hospital has been awarded a Rural Utilities Service Distance Learning and Telemedicine (DLT) Grant of \$306,110 to use for a telemedicine project called the Mid-American Rehabilitation Telehealth Network (MRTN). Members of the MRTN include the: (1) Madonna Rehabilitation Hospital in Lincoln, Nebraska; (2) Wilber Care Center (Wilber, Nebraska); (3) Ashland Care Center (Ashland, Nebraska); and, (4) Fremont Area Medical Center (Fremont, Nebraska). The goal of this telehealth system is to assure that rural residents have immediate access to quality rehabilitation care. Specifically, a hub-and-spoke telehealth system that will link community care centers and long-term care centers for patient consultation and treatment; education for patients, care providers, families, and community members; support groups, and for family/patient visitation. Patients will be able to receive care from rehabilitation professionals without leaving their home area. Continuing education opportunities will also be offered including Certified Nursing Assistant and Licensed Practical Nurse Certification training, in-services, and Grand Rounds. Specialists at Madonna Rehabilitation Hospital will collaborate on and share leading-edge technology with clinicians in the connecting rehabilitation departments. This project will benefit approximately 90,000 rural residents.

Rural Health Partners, Inc., d.b.a Heartland Health Alliance; Lexington, Nebraska

\$196,012 Grant

Area(s) Served: Boone, Nemaha, Saline, Jefferson, Phelps, Valley, Johnson, Garden Counties

Contact: Shelia Rowe; (308) 324-3050; Fax: (308) 324-3055

Congressional Districts: 1st and 3rd

Heartland Health Alliance (HHA) is a 32 member hospital network in Nebraska and northeast Kansas. HHA believes that in order to provide the best medical care to patients, medical staff must have access to medical and educational programming. Currently, six HHA hospitals have interactive video systems installed at their facilities. The purpose of this project is to install interactive video systems at eight additional HHA rural hospitals.



The eight hospitals are: Boone County Health Center (Albion), Crete Municipal Hospital (Crete), Jefferson Community Health Center (Fairbury), Johnson County Hospital (Tecumseh), Phelps Memorial Health Center (Holdrege) Valley County Hospitals (Ord), Cherry County Hospital (Valentine), and Garden County Hospital (Oshkosh). The installation of these systems will assist the rural hospitals with expanding the local medical and educational programming opportunities and thus improve the medical care provided to the rural residents. The original six hospitals will also benefit from this project because the addition of the sites will enhance and expand their networking opportunities. This project has the potential to benefit approximately 33 physicians, 626 nurses and 23,899 rural residents.

2000 Awards:

EDGERTON EXPLORIT CENTER, C/O EDGERTON EDUCATION FOUNDATION, Aurora, Nebraska

\$277,605 Grant

Area(s) served: Clay, Hall, Hamilton and Nuckolls Counties

Contact: Mr. Mark Kremer, (402) 694-4032, FAX: (402) 694-4035

Congressional District: 3rd

The Edgerton Education Foundation (EEF) plans to equip the Edgerton Explorit Center (EEC), which provides science, math and technology programming for students, teachers and families of Nebraska. The EEF plans to acquire equipment, software and instructional programming needed to create a distance learning hub which can produce and deliver science, math and technology programming via distance learning to the rural schools of Nebraska. The project includes three end-user sites at Clay Center, Doniphan and Superior, Nebraska. In addition to participating in this project as end-user sites, the schools will be linked to the Central Nebraska Distance Learning Consortium presently comprised of nine schools that already have distance learning classrooms. The number of K-12 students enrolled at the three schools are 1,228 with more than 25,281 residents that will be able to access two-way video-conferencing programs in Clay Center, Superior, Doniphan and the EEC in Aurora.

NORTH PLATTE NEBRASKA HOSPITAL CORPORATION, North Platte, Nebraska

\$349,700 Grant

Area(s) served: Nebraska - Custer, Dawson, Furnas, Red Willow, Dundy, Chase, Perkins, Keith, Cherry Valley, and Lincoln Counties; Kansas: Decatur County

Contact: Ms. Lucinda A. Bradley, (308) 535-7495, FAX: (308) 534-5422

Congressional Districts: Nebraska - 3rd, Kansas - 1st

Great Plains Regional Medical Center (GPRMC) will serve as fiscal agent for the North Platte Nebraska Hospital Corporation. The Center will serve as the focal point of this system. GPRMC is proposing to develop a wide area network pictorial archiving



communication system (WAN PACS) for the transmission, interpretation, storage, and availability of CT, MRI, Nuclear and Ultrasound imaging modalities. It is anticipated that the project will improve the quality of health care for rural residents by making it possible for radiologists to manipulate images and interact with physicians in rural, isolated communities.

1999 Award:

Chase 3000, Inc.; Imperial, Nebraska

\$350,000 Grant

Counties Served: Chase, Perkins, and Phillips

Contact: Mr. Steve Smith, (308) 882-3000: Fax (308) 882-3001

Chase 3000, Inc. (Chase) was established in 1996 to provide Internet service to rural residents of Chase County. Through its Rural America's Right to Equal (R.A.R.E.) Access project, Chase's project will provide approximately 400 rural households with access to high-speed communications and distance learning opportunities through the use of wireless technology. Chase plans to connect the hospital, the school, the library, and senior services to the network. Funds will be provided to install computer equipment and wireless equipment in area residents' homes, subsidized by funds from each household. In addition, Chase will provide training opportunities at its Learning Center to enable those people who have never used computer equipment to learn how to use the tools provided.

1998 Awards:

Faith Regional Health Services

\$350,000 Grant

Location: Norfolk, Nebraska

Area(s) served: Cherry, Brown Rock, Keya Paha, Boyd, Holt, Knox, Antelope, Pierce and Madison

Contact Robert Driewer

Telephone Number: (402) 371-4880

Fax Number: 402-644-7468

Congressional District: 3rd.

Faith Regional Health Services is the applicant for this proposed project of the Northcentral Nebraska Telemedicine Network. An aging population is a major concern to rural Nebraska hospitals. Elderly patients generally have a limited ability to travel and require specialized services on a regular basis. The goal of the proposed telemedicine system to be funded by the RUS grant is to assure that everyone in the service area has immediate access to quality medical care. The eight hospitals involved serve a population of 86,000 residents.



Educational Service Unit No. 5, Southeast Nebraska Distance Learning Consortium

\$118,309 Grant / \$119,191 Loan

Total: \$237,500

Location: Beatrice, Nebraska

Area(s) served: Jefferson, Richardson and Thayer

Contact Mr. Al Schneider

Telephone Number: (402) 223-5277

Fax Number: (402) 223-5279

Congressional District: 1st.

The Southeast Nebraska Distance Learning Consortium will provide two-way interactive classrooms in eight high schools. This proposed project will link to forty-four high schools, four intermediate agencies, four community college sites, two state college sites, and the Nebraska Department of Education, which is fully funded, and in the implementation phase. The classrooms will provide opportunities for high school students and adults to participate in college courses and provide teacher and community training.

Northeast Community College

\$55,242 Grant / \$80,968 Loan

Total: \$136,210

Location: Norfolk, Nebraska

Area(s) served: Antelope, Boone, Boyd, Brown, Burt, Cedar, Cuming, Dakota, Dixon, Garfield, Holt, Keya Paya, Knox, Madison, Pierce, Rock, Stanton, Thurston, Wayne, and Wheeler

Contact Ms. Mary Honke

Telephone Number: (402) 644-0469

Fax Number: (402) 644-0650

Congressional District: 1st.

Northeast Community College is a state college that plans to provide interactive distance learning opportunities to 101 rural communities in a twenty county area, spread out over 14,000 square miles. Through the establishment of distance learning facilities that will serve 49 schools and 84,000 students, the college will provide learning opportunities to its constituents that will enable residents to stay close to their home areas. Research indicates that 90 percent of rural Nebraska high school students leave their communities after graduation. As the situation presently exists, the state of Nebraska expects population decreases in half of the counties served by the college. The potential benefits to the communities include increased retention of highly skilled and talented workers, attracting and retaining new businesses, and increasing the quality of life. Coursework offerings will include credit programs at all degree levels and non-credit continuing education courses, career enhancement and personal development courses. Courses to be offered include: business administration, nursing, industrial and liberal arts, agriculture,



agribusiness, horticulture, education, trades, wellness, nutrition, leadership, and public administration.

Educational Service Unit #13

\$179,820 Grant / \$133,957 Loan

Total: \$313,777

Location: Scottsbluff, Nebraska

Area(s) served: Banner, Box Butte, Dawes, Morrill, Scotts, Bluff, Sheridan, and Sioux

Contact Mr. Terry Miller

Telephone Number: (308) 635-3696

Fax Number: (308) 635-0680

Congressional District(s): 3rd.

Educational Service Unit No. 13 (ESU) acts as an intermediate school service district. The other participants in this project include nine local school districts located within ESU's service area and three institutions of higher education. ESU's service area has a population of 72,750 spread over 10,000 square miles. Most of these communities are separated from the nearest neighboring community by 25 to 50 miles of ranches and sandhills. Because of the sparse population, the schools in the area have small enrollments and staffs that lack the expertise to provide the range of instruction available in urban schools. RUS grant funds will provide videoconferencing equipment to expand the limited distance learning programs that currently exist.

1997 Award:

Began Mercy Foundation, Inc.

Award: \$57,863 Loan / \$75,945 Grant

Total: \$133,808

Location: Omaha, Nebraska

Area(s) Served: Counties of Adams and Harrison, Iowa; Colfax, Nebraska

Contact Person: Robert Olson

Telephone Number: 402-398-5510

FAX Number: 402-398-6920

The rural hospitals in the project are a part of the Alegent Health System which is a consolidated operation of the Bergan Mercy Foundation located in Nebraska and Iowa. The goal of this teleradiology project is to provide three isolated rural areas with improved quality medical care in a more timely, efficient and beneficial manner. In addition to improved quality patient care, this project will also enhance recruiting and retention of rural health care professionals, strengthen the economic foundation the hospitals and increase the professional satisfaction of health care providers. The rural hospitals must be linked by teleradiology to the radiologists who provide coverage. The specific services to be provided are X-ray, CAT scan and ultrasound. The project entails connecting each of the end-users sites to the existing radiology physician group base site.



The outcome and results expected to be realized from teleradiology include strengthening the financial performance of each of the rural hospitals through a shorter length of stay, appropriate level of care and a better utilization of the Emergency Departments. The increased savings to the patient will be beneficial by reducing the cost of health care and providing better access. There will be 128 miles of travel saved with this project.

1995 Grant Awards:

(1) Our Lady of Lourdes Hospital

Norfolk

The project will link 10 rural hospitals in northeast Nebraska. The system will provide continuous access to teleradiology, trauma and emergency care.

(2) Bloomfield County Schools

Bloomfield

Telecommunications links will enable ten schools and two community colleges to share teachers for instruction vocational studies and college preparatory courses. In addition, schools will use the system for adult education, college courses, job interviews and nurse training.

1994 Grant Award:

Educational Service Unit #15

Chase, Dundy, Frontier, Hayes, Hitchcock and Red Willow Counties

An educational consortium consisting of 9 high schools, McCook Community College and the Nebraska College of Technical Agriculture will be linked by two-way interactive video to provide a wide range of high school courses, college-level courses, adult education, and specialized agriculture instruction. In addition, pupils at 6 elementary schools which are adjacent to participating high schools will have access to special classes in languages and gifted and talented student programs, Medical inservice and training for personnel in rural hospitals and clinics, including emergency units and school nurses will also be offered. The system will employ analog interactive classroom equipment which will be linked via a linear broadband transmission over fiber optic lines which is provided by 6 different telephone companies and a cable TV company.