

Ohio Area Media Centers – Digital Video Project

An LSTA Innovative Technology Grant

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Abstract

Ohio's Area Media Centers (AMCs) have been providing curriculum-related audiovisual resources to schools in their geographic region since 1972. By relying on the expertise of local advisory councils composed primarily of library media specialists, each has developed a unique collection to be shared among educators within their region. The AMCs have worked together to obtain vendor discounts and to implement a single cataloging and circulation software system. Now, digitization and the availability of new video storage, download and streaming technologies have given us alternative options to our current method of video ordering and delivery. Digitization is widely viewed as the future of audiovisual technology, but currently most educational video vendors with digital products are marketing their titles as packaged subscriptions. Not only is the cost of these packages high--an average of \$1500 per school site--but within the package, many titles may not be of interest to the school.

Moreover, the cost is renewable annually. Schools unable or unwilling to renew have no further access to those video titles. Through this project Ohio's AMCs will develop, implement, and assess a process to secure permanent statewide copyright for high-demand educational videos as an alternative. We will increase the fill rate for high-demand titles, decreasing refusals by 15%, and add curricular value to existing educational video materials by creating interactive menus or links. AMC staff members will be trained to use digitization equipment to store, manipulate and disseminate these commercial videos and locally developed videos. If funded, this LSTA proposal will not only make these shared audiovisual resources accessible to all 94,900 Ohio teachers, but will create a process that can be

replicated using local funds to enhance the digitized collection each year. Collections will still be varied from center to center, but we will also be collaborating to create a core collection for use throughout the state in the most cost-effective manner.

Ohio Area Media Centers – Digital Video Project

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General Description of the Project

The Ohio Area Media Center Digital Video Project grant proposal is written with the goal of providing Ohio students and teachers with a stronger library media program, accessing the vast amount of shared audiovisual resources available today through an emerging technology. This proposal will provide to Ohio's AMCs a process to secure copyright for, digitize, and distribute to the schools selected specialty or seasonal titles for statewide access, developing a process that will enable them to continue building a digital collection of the highest demand, highest quality educational videos. (See Appendix A for map and directory of all AMC)

Purpose of Project in Relation to Identified Needs

A recent Harvard University Study on Comprehension indicates that retention for a verbal and visual presentation is 87% as compared to only 7% for a verbal presentation alone. Similarly, current research published by Media Consultants - System Integrators of Dayton, Ohio indicates that the brain processes visuals at 400,000 times faster than text alone. Assimilation and retention of information is improved 60% by using visuals over text alone. An audience is 43% more likely to be persuaded by using visuals in a presentation. Effective educational

programs are accomplished when educators provide a variety of learning experiences designed to meet the individual student's learning style. The use of appropriate audiovisual media in the classroom can provide learning experiences which lead to greater student understanding of the concepts being presented. In fact, "students with low verbal ability were as creative or more creative than students with high verbal ability when working on assignments with multimedia stimuli." (Nancy Thompson, "Media and the Mind: Imaging as an Active Process," *English Journal*, 1988)

Due to the cost of audiovisual materials, most school libraries have very limited collections. Public library audiovisual collections are intended to meet the needs of all community users, and do not focus on academic content. Ohio's consortium of twenty-four Area Media Centers, established in 1972, helps to fill this need by providing media resources on a regional basis. Current statistics gathered in February 2002 indicate that 131,812 titles are held by the AMCs, of which 112,585 are VHS format. Titles in the AMC collection range from 6-minute programs specifically designed for first grade reading to 30-minute programs designed for 11th grade chemistry students. (A complete list of current holdings appears in Appendix B.) Together the centers circulate an average of 150,000 items each year, resulting in a total of 510,000 viewings. A study done in 1997 at the Northwest Ohio Area Media Center determined that an average item received 3.4 viewings per circulation. Although the Ohio Area Media Centers are funded by state charter, individual missions and goals align strongly with those of educators in curriculum and technology, so individual AMC collections are varied.

A key problem inherent in the provision of regional media services to the K-12 community is the ability to maintain a high "fill level" (keeping refusals to a minimum) while at the same time holding inventory levels-especially of specialty or seasonal titles to an acceptable level. The teaching of such core concepts as the water cycle process, how a bill becomes a law, or the calculation of areas and perimeters may be spread more or less evenly through the school year. But *Thanksgiving Tales* or *The Life of Martin Luther King Jr.* are wanted in many classrooms during the same narrow time period. In the past, the only option was to purchase, label, and shelve several copies for those peak times, and watch them gather dust during the other thirty-four weeks of the school year. Refusals not only lead to disappointment among school patrons, but can contribute to other negative behaviors such as illegal copying of high interest titles, development of unregulated ad hoc classroom AV "libraries," use of non-instructional video material from commercial video stores, and a general reduction of teacher reliance on their Area Media Centers as a cost-effective and time-effective resource.

Another critical issue is the change in teaching and learning from whole-class, teacher-centered strategies to individual or small-group, student-centered strategies. Both teachers and students are exhibiting a preference for audiovisual materials delivered in short "concept clips." While showing brief segments of a longer title is a technique that the best teachers have always employed, a longer video that has already been segmented and labeled has even greater versatility. For the student advancing or reviewing on his own--without direct teacher involvement-- this is even more true.

In a Winter 2002 article in the Ohio Media Spectrum, Kathy Seaver and Pat Hare researched the changes in demand for school library services brought about by the move to block scheduling in high schools. They discovered that "under block scheduling . . . the call for classroom collections of books doubled and videos tripled. The Area Media Centers need to explore what they can do to satisfy this expected growth in demand.

Digitization and the availability of new video storage, download and streaming technologies have given us alternative options to our current method of video ordering and delivery. Around the state and across the country, these technologies began to be piloted or implemented as early as two years ago. During the 2000-2001 school year two types of pilots were conducted by the Area Media Centers. In Hamilton County AMC, Franklin County AMC and North Coast Educational Media Center (Cuyahoga County) digitized video was provided in the streaming and download formats. Two other pilot sites--Weathersfield High School and Chesapeake High School--utilized their LANs to store and retrieve over 250 curriculum titles. Based upon these pilots, we have been able to analyze the strengths and weaknesses of current digital copyright availability and to generalize our expectations for a statewide digitization project.

Digitization is widely viewed as the future of audiovisual technology, but currently most educational video vendors with digital products are marketing their titles as packaged subscriptions. Not only is the cost of these packages high--an average of \$1500 per school site--but within the package, many titles may not be of interest to the school. Moreover, the

cost is renewable annually. Schools unable or unwilling to renew have no further access to those video titles.

Licenses purchased through this LSTA project would be permanent use licenses, for use during the grant year and in succeeding years. The process developed would allow the AMCs to annually select additional titles to purchase jointly, adding to this permanent statewide collection.

Goals

The AMC chartered goals include benefits for students, classroom teachers, and library media center staff in the state of Ohio. The primary goals of the regional media program are to:

- Supply appropriate media to support the attainment of the objectives of the curriculum of the state's K-12 schools
- Provide every teacher with access to a regional media source of sufficient quality and quantity to meet their instructional needs
- Provide adequate personnel, equipment, and facilities to insure the efficient distribution of this media,
- Provide every student with access to a comprehensive and up-to-date media collection

In light of these goals, the following objectives have been established for this project.

Measurable Objectives and Activities

Objective 1: Develop, implement, and assess a cost-effective process to secure permanent statewide copyright for high-demand educational videos.

Activity 1.1: Compare circulation patterns from all Area Media Centers to determine the titles most needed in digitized format.

Activity 1.2: Negotiate with vendors to achieve the most cost-effective agreement for obtaining permanent statewide copyright licenses.

Objective 2: Increase the fill rate of AMCs for high-demand titles, decreasing refusals by 15%.

Activity 2.1: Provide necessary equipment and training for Area Media Center staff to digitize titles for which statewide copyright has been obtained.

Activity 2.2: Build and promote a “starter collection” of digitized educational videos to enhance current Area Media Center collections.

Objective 3: Add curricular value to existing educational video materials

Activity 3.1: Provide necessary equipment and training for Area Media Center staff to add interactive menus or links to digitized educational videos

Activity 3.2: Collaborate with teachers and students to use the digitization equipment to store, manipulate and disseminate locally-developed videos to a broader educational audience.

Relation to LSTA Goals

This project involves all 24 Ohio Area Media Centers and the state's INFOhio network which provides access to our online catalogs and circulation. Our project closely parallels the goals and priorities of the LSTA Plan: "for establishing or enhancing electronic linkages among and between libraries"; "for electronically linking libraries with educational, social, or information services"; "for assisting libraries in accessing information through electronic networks"; "for encouraging libraries in different areas, and "for encouraging different types of libraries, to establish consortia and share resources."

Technical Plan

The digitization component of this project will require the purchase of DVD stand alone burners. Pioneer Pro DVD-Video Recorder, PRV-9000 equipment has been chosen to allow each AMC to digitize an existing video format program without the use of additional computer components. The DVD burner will operate with the different platforms--PC and Macintosh--to fit with existing networks already in place in the centers. This purchase meets the diverse equipment needs of each library while maintaining cost-effective levels of standardization. Centers will be able to use this technology to enhance curriculum and

instruction value of commercially produced videos by providing interactive menus to instantly jump to any portion of the program. The equipment will also be available to digitize locally-produced content such as distance education presentations or outstanding student multimedia programs for wider dissemination.

Across Ohio, schools have many different levels of telecommunication access, ranging from fiber optic transmission to 56K lines. In order to meet the varying needs of the end user this project proposes to make the digital titles available for streaming, downloading or distribution as a hard copy on DVD.

Preliminary discussions with major vendors indicate that titles may be obtained for approximately \$1,500 each with unlimited access. This would assure us of a starter collection of approximately 50 titles. This number could increase based upon negotiated agreements. Selected titles that have been digitized will exist as MPEG files. Each center will require at least a 75 gigabyte hard drive to store, manipulate and move these files from central storage to the school user. Based on current information, each hour of raw DV footage takes up 13 GB. It is recommended that when creating a digital file it should be burned to a file on a hard drive. Since most school media titles are 10 to 30 minutes in length, a 75 GB hard drive should be should be sufficient for the initial creation of the digital file. A larger drive is required for the state INFOhio server site in Lima where centralized downloading and circulation statistics can be maintained. (See vendor quotes and technical specifications in Appendix C)

All Area Media Center staff will receive four days of training on the digitization process, and end-user strategies for incorporating digitized audio-visual materials into the teaching learning process. These four days of instruction will take place between November 2002, and April 2003.

This site-based, inclusive plan for the Ohio Area Media Center Digital Video Project was chosen over a centralized one-site model for several reasons: the need to maintain and strengthen technical expertise throughout the state in this emerging technology, the need to distribute the work load among personnel at multiple locations to avoid adding staff, and the need to maintain the advantage of regional diversity fostered by our individual missions and goals that align with those of local educators.

Personnel / Project Implementation Team

The key personnel who will be involved in this grant have a strong history of collaboration on INFOhio and other joint projects. Franklin County Educational Service Center will provide fiscal agent services. The Trumbull County Educational Service Center will contribute the services of Tony Marshalek, Executive Director for State & Local Electronic Media Projects, North East Ohio IMC. INFOhio will contribute the services of John Whyde, INFOhio Medianet Support. The Stark County Educational Service Center will contribute the services of Cathy Burwell, Coordinator of the East Central Ohio Area Media Center. Co-coordinators of the project will be Cathy Burwell and Tony Marshalek. They will be liaisons with the other Area Media Centers. They will provide communications with vendors; equipment ordering, inventory and installation; training; and follow-up support.

Profiles of Key Project Personnel

Fred Wolfe, Superintendent for the Franklin County Educational Service Center, has a master's degree in Education Administration from Kent State University. Fred's career experience of 34 years includes Elementary Teacher, Elementary Principal, Director of Curriculum and served as Deputy Superintendent for 14 years before becoming Superintendent of The Franklin County ESC. Fred currently serves as President for the School Study Council of Ohio. In the past Fred has served a 3-year term as president for the Instructional Technology Service of Central Ohio and a 2-year term as president for the Ohio Association of Instructional Media Centers. The mission of the Franklin County ESC is to provide quality services that enhance learning.

Marjorie Fenton, Treasurer/Business Manager, Franklin County Educational Service Center, holds a master's degree in educational administration from Kent State University and has over 30 years of experience as a treasurer/business manager in several Ohio schools. She has also served as a consultant with the State Department of Education and a part-time coordinator for Ashland University. Marjorie has served Franklin County Educational Service Center as treasurer/business manager for the past year. She has successfully administered the Ohio Educational Media Consortium funds, Alliance Grant, all of the grants for the Central Ohio Regional Resource Center, Quality Impact Team Grant for the State Department of Education and many other state and federal grants. As the treasurer of the Franklin County Educational Service Center, Marjorie manages a budget of over \$26 million.

Cathy Burwell has served as coordinator of the East Central Ohio Area Media Center since 1989 and has collaborated with Stark County Educational Service Center and SPARCC DASite staff in development and implementation of several major technology projects. These projects include the Teacher Tech Center, a four-district Tech Equity grant, a locally funded two-year INFOhio automation grant, and multi-district LSTA automation grants in 1998-99 and 2001-02. She currently serves on the state Medianet Task Force.

Tony Marshalek, Executive Director for State & Local Electronic Media Projects, North East Ohio Instructional Media Center, has served as director since 1976 and has collaborated with the Trumbull County Educational Service Center on grants for library automation and Ohio SchoolNet for design of Summer workshops and most recent a grant to explore the benefits of using digital technology in the classroom. He coordinates the yearly literacy workshops sponsored by INFOhio and presented by Dr. Carolyn Brodie & Dr. Greg Byerly in his role as INFOhio support for Information Skills and Curriculum. He serves on the INFOhio Governing and Advisory Board, INFOhio Steering Committee, INFOhio Instructional Development Task Force, INFOhio Medianet Task Force and the State Library of Ohio's Steering Committee for the Statewide Resource Sharing initiative.

John Whyde has been the Medianet Coordinator for the INFOhio Medianet sites since May 1998. Before that he was a customer support representative for Dymaxion, the company that produces Medianet. His duties include creating and configuring Medianet databases, converting sites' old data records for loading into Medianet, training agencies on site, and

offering telephone and e-mail support to agencies using Medianet. John serves on the INFOhio Steering Committee and the INFOhio Technical Team.

Timeline

The timeline of this project is ambitious but practical. Below is a detailed, month-by-month description of the activities required to complete this project:

- 01/02 Area Media Center coordinators meet to discuss submitting an LSTA proposal
- 01/02 Applicants attend LSTA Grant Writing Workshop
- 02/02 Project coordinator attends National Association of Media and Technology Centers Leadership Summit in Atlanta to discuss digitization project with media experts and vendors
- 05/02 LSTA proposal submitted to State Library of Ohio
- 05/02 AMC coordinators meet to discuss current circulation patterns
- 07/02 Notification of recommendation to fund
- 09/02 AMC coordinators meet with audiovisual vendors at annual Buckeye Preview Seminar
- 09/02-11/02 AMC staff compare circulation patterns from all Area Media Centers to determine the titles most needed in digitized format.
- 10/02 Fiscal agent establishes local and federal grant accounts for record keeping project coordinators and fiscal agent opens purchase orders for equipment
- 11/02 AMC staff begin publicizing the receipt of the grant (See Appendix C)

- 12/02 Equipment delivery and installation begins - all equipment tagged for identification as part of LSTA grant by Project Coordinators, fiscal agent staff and AMC staff
- 01/03 Project coordinators and fiscal agent staff file 1st quarter written narrative and financial report
- 01/03 Project coordinators train AMC staff in use of digitization equipment
- 01/03 Obtain copyright leases
- 02/03 Project coordinators train on use of digital video format in the classroom
- 03/03-04/03 AMC staff members provide awareness sessions to end-users
- 03/03 Mid-year site visit by State Library liaison consultant
- 04/03 Project coordinators and fiscal agent staff file 2nd quarter financial report
- 07/03 Project coordinators and fiscal agent staff file 3rd quarter written narrative and financial report
- 10/03 Project coordinators file 4th quarter "Year End" written narrative report
- 11/03 Project coordinators and fiscal agent staff file "Close-Out"
- 11/03 Awareness sessions on access to audiovisual records at the INFOhio Union and availability of digitized titles (GOTEC)
- 09/04 Project coordinators file "Year-After" narrative/evaluation report Project

Project Continuation/Sustainability

Fiscal agents for all Area Media Centers participating have indicated in writing their willingness to bear the ongoing costs after the grant has concluded, including the direct costs of equipment maintenance as well as additional equipment needs. They are also supportive of the indirect costs of releasing staff from their duties to attend training and user group meetings. (See support letters, Appendix E)

Keeping teachers and members of the general public aware of the benefits and progress of the grant project will ensure demand for its continuance. All of the Area Media Centers have online, web-based catalogs, but most still distribute catalogs or supplements, curriculum correlations and promotional materials such as newsletters or postcards in print format as well. In recent years, approximately 140,000 promotional materials have been distributed by the individual centers. As a group the AMCs have a presence at major library, technology and administrative conferences where additional promotional materials are distributed. Based on past experiences, a multi-faceted plan for publicizing the accomplishments of this grant has been developed. (See Appendix D).

For thirty years Ohio's Area Media Centers have provided an ever-evolving collection of audiovisual materials to students and teachers. An extremely high percentage of the state funding received by the AMCs is used for the purchase of circulating media. Based on our annual reports in FY2001, for example, the AMCs received a total of \$951,233 of which \$514,927 or 54% was expended on media. Digitized video will become a regular component of our collections--ideally suited for high-demand specialty or seasonal titles or for titles especially suited to interactive menus and other local enhancements. With equipment, training, and a starter collection in place and a model copyright license negotiated, the acquisition of permanent digital video rights can continue each year by pooling a portion of our regular media budgets.

Evaluation

A chart describing our plan for monitoring achievement of our objectives appears on pages 19-21. Project evaluation is both qualitative and quantitative, logs of contacts with vendors, observations and training data from AMC staff, and electronically generated statistics on items circulated as well as titles selected for digitization.

Conclusion

In the final analysis beginning a digital collection of specialty or seasonal titles is the next logical step in the evolution of bringing appropriate audiovisual media to the classroom. We are here to help educators provide a variety of learning experiences designed to meet the individual student's learning style, and we believe that providing adequate statewide access to high-demand and delivering the highest quality audiovisual materials is the way to do so.

Objectives & Activities

Evaluation

Reporting & Potential Remedies

Objective 1: Develop, implement and assess a cost-effective process to secure permanent statewide copyright for high-demand educational videos

Activity 1.1: Compare circulation patterns from all Area Media Centers to determine the titles most needed in digitized format.

Evaluation: Reports will be generated and collected from all AMCs *Medianet* software to show the “most used” and “most refused” titles overall. A second set of reports will be collected subdivided by major curriculum areas.

Reporting: Statewide lists of Top 10, Top 25 and Top 100 will be distributed to and examined by the AMC coordinators.

Remedy: Anomalies or reporting errors will be removed before reports are used in the negotiation process with vendors.

Activity 1.2: Negotiate with vendors to achieve the most cost-effective agreement for obtaining permanent statewide copy-right licenses

Evaluation: Logs of contacts with vendors will be kept throughout the negotiation process.

Reporting: Copies of contracts will be included in required narrative reports to the State Library of Ohio, and provided to each AMC for possible audit purposes, as well as kept on file with the fiscal agent.

Remedy: Negotiations records will be examined and compared in preparation for subsequent yearly purchase.

Objective 2: Increase the fill rate of AMCs for high-demand titles, decreasing refusals by a minimum of 15%



Objectives & Activities

Evaluation

Reporting & Potential Remedies

Activity 2.1: Provide necessary equipment and training for Area Media Center staff to digitize titles for which copyright has been obtained.

Evaluation: Pre and post surveys of AMC monthly circulation records will indicate the percentage change in refusal rates.

Reporting: Survey data will be included in required narrative reports to the State Library of Ohio and provided to each AMC for possible local action.

Remedy: The AMCs will continue to look at individual as well as collective refusal rates to determine future years' digital and non-digital purchases.

Activity 2.2: Build and promote a “starter collection” of digitized educational videos to enhance current Area Media Center collections.

Evaluation: Copies of catalog entries for new digital materials and of promotional materials will be collected.

Reporting: Copies of catalog entries and promotional materials, and summaries of monthly circulation reports from the AMCs will be included with required narrative reports to the State Library of Ohio

Evaluation: Examination of annual monthly circulation reports from the AMCs *Mediant* software will show circulation of the new digital titles.

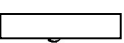
Remedy: If circulation data do not indicate significant use of the new digital materials, further training will be provided.

Objective 3: Add curricular value to existing educational video materials

Activity 2.1: Provide necessary equipment and training for Area Media Center staff to add interactive menus or links to digitized educational videos.

Evaluation: Copies of catalog entries for new digital materials with interactive additions and of promotional materials used to inform and inservice teachers will be collected.

Reporting: Copies of catalog entries and promotional materials, and summaries of monthly circulation reports from the AMCs will be included with required narrative reports to the State Library of Ohio.



Objectives & Activities

Evaluation

Reporting & Potential Remedies

Remedy: If circulation data do not indicate significant use of the enhanced materials, further training will be provided.

Activity 3.2: Collaborate with teachers and students to use the digitization equipment to store, manipulate, and disseminate locally-developed videos to a broader educational audience

Evaluation: Copies of catalog entries for locally developed digital titles will be collected.

Reporting: Copies of catalog entries of locally developed digital titles will be included with required narrative reports to the State Library of Ohio.

Remedy: If cataloging data do not indicate use of the equipment to develop local digital titles, further training will be provided.



Budget

In February 2002, all Area Media Centers involved in this project were surveyed to determine their needs to complete the digitization project. A special note should be made that no specific number of commercial video titles is specified for copyright purchase. Although there is some precedent for approximating prices based on current Ohio Media Consortium agreements, we will be charting new copyright and licensing territory.

Category	Justification	Local	Federal	Total
Contractual				
Copyright leases for digitized titles	Using selected titles from a composite list of AMCs, negotiate for lease agreements.	\$ 0.00	\$63,170	\$63,170
Fiscal Agent Fee	Reimburse Franklin County ESC for equipment purchases, inventory and other accounting services	\$ 0.00	\$4,320	\$4,320
Total Contractual		\$ 0.00	\$67,490	\$67,490
Equipment				
22 Pioneer stand alone DVD burners at \$1,000.00	Each AMC will receive a stand-alone DVD burner to digitize selected titles from video formats	\$22,000	\$0.00	\$22,000
22 Pioneer DVR-A04 DVD Internal Drive at \$ 450.00	Each AMC will require an internal computer drive to duplicate the original MPEG/DVD titles	\$5,000	\$4,900	\$9,900
22 80GB HD \$140.00	Each center will require at least a 75 GB hard drive to store, move and manipulate MPEG/DVD files.	\$ 0.00	\$3,080	\$3,080
Central Storage Hard Drives 4-120GB Hard Drives at \$ 250.00	A larger HD drive is required for centralized downloading at the INFOhio server site in Lima	\$ 0.00	\$1,000	\$1,000

Total Equipment Costs		\$27,000	\$8,980	\$35,980
Supplies				
600 DVD Blank Media Discs at \$ 2.49	Blank DVD-R discs are needed for training and also for the initial digital copies. All additional blank media will be purchased by each center.	\$ 0.00	\$1,494	\$1,494
23 Training manuals at \$25.00	Materials for training AMC staff members	\$ 0.00	\$575	\$575
6,055 two-color brochures at \$.20 each	Information brochure for mailing and in-person distribution	\$ 0.00	\$1,211	\$1,211
Total Supply Costs		\$ 0.00	\$3,280	\$3,280
Other Costs				
Bulk Mailing costs	Bulk Mail to 4,836 school buildings	\$ 0.00	\$1,250	\$1,250
Total Other		\$ 0.00	\$1,250	\$1,250
Totals		\$27,000	\$81,000	\$108,000

Cost per user = \$.057

\$ 108,000 ÷ 1,891,149 students = \$.057

Appendix B
Count of Titles in Ohio Area Media Center Collections -- February 28, 2002

Center	VHS	Laser/CD	Kits	DVD	Additional Formats
Delaware Union	3222	50	0	0	0
Franklin	7800	0	38	0	227
Licking Knox	5615	337	786	0	1482
Pickaway	5223	167	0	20	0
North Coast	8011	248	0	18	59
East Central North	6919	478	400	38	641
East Central South	2792	120	13	21	458
Lorain County	5160	70	16	0	991
Medina	4196	36	20	0	401
Sandusky	4433	83	546	12	1622
Satellite V	3427	87	0	3	2
Summit	2331	112	5	26	0
NEO-IMC	6163	854	35	193	258
North West	4544	72	0	0	125
West Central	5139	286	0	0	412
Hocking Athens	4200	503	10	12	0
South Central	6354	96	0	135	0
Southeastern	2916	97	18	34	36
Brown-Adams	2867	93	2	9	1
Butler	1990	61	30	0	230
Clermont	4445	202	40	0	329
Hamilton	5399	251	4	39	1
Warren	5239	691	113	0	279
Wilmington	4200	118	100	12	275
Totals	112585	5112	2176	572	7829