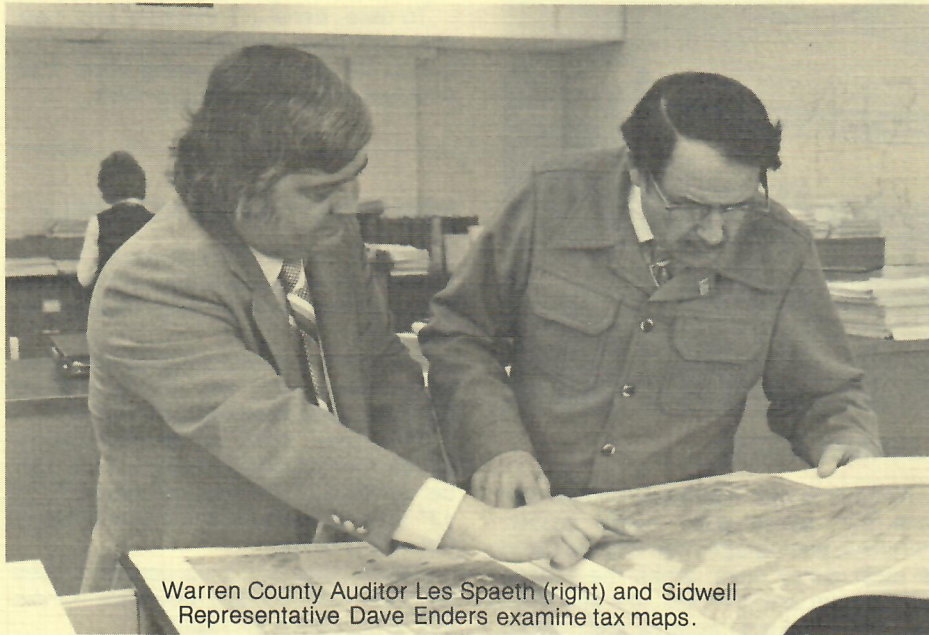




THE SIDWELL COMPANY

# map news



Warren County Auditor Les Spaeth (right) and Sidwell Representative Dave Enders examine tax maps.

## WARREN COUNTY RECEIVES AERIAL TAX MAPS

Warren County, Ohio officials have received the first delivery of their new aerial-based tax maps.

The new maps, which are based on precision, foliage-free aerial photography, cover every square inch of ground in the county and represent the first complete inventory of property ever made in Warren County.

County Auditor, Les Spaeth, says the new maps will replace the county's old maps that date back as far as 1910. The property information shown on the new maps will resolve many parcel questions and, Les feels, go a long way toward providing equitable assessments. They will also reduce the tax roll by consolidating parcels under one ownership.

In addition to showing each parcel boundary, the maps contain lot dimensions, acreages and subdivision names. This information is drawn on a sheet of reproducible mylar material that overlays and matches the rectified aerial photo base.

## JERRY JOHNSON ADDRESSES MISSOURI ASSESSORS



Senior marketing representative, Jerry Johnson, was the featured speaker at the morning session of the Missouri Assessor Conference held recently in Kansas City, Missouri.

The overlay method allows inexpensive paper copies to be made of each map separately or both sheets together producing a map showing all parcel information and complete ground detail. Items such as parcel improvements, and tillable and nontillable areas are clearly shown.

Additional overlays containing soil types or zoning can be combined with this system to produce maps containing any desired information.

One of the most important features of this new mapping system is the establishment of a permanent parcel numbering system. This system assigns numbers to townships, sections, blocks and parcels. Each parcel in the county can now be described by a simple ten-digit number. This makes possible the use of data processing for many routine assessment functions. Warren County plans to make good use of this feature when they add the numbers into their existing data processing system.

Jerry's presentation highlighted the assessment problems created by non-existent or outdated property maps and records. He showed how a complete inventory of all property through mapping becomes the basis for accurate re-appraisals and equitable assessments.

A twenty minute color slide/tape program was used to illustrate the benefits of new aerial photography, property maps and a permanent parcel numbering system.

## ILLINOIS LAND SURVEYORS HOSTED

The November meeting of the Northeast Illinois Land Surveyors Association was held at the facilities of The Sidwell Company.

The surveyors and their guests learned more about aerial photography and mapping by taking a tour through the mapping department.

This included viewing samples of aerial photography. Visiting the photo lab to see the precision enlarging and rectifying cameras and watching the operation of a stereoplotter doing topographic mapping.

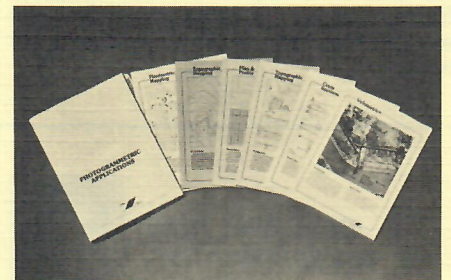
## NEW BROCHURE SHOWS MAPPING APPLICATIONS

Sidwell's many photogrammetric mapping services are highlighted by a new brochure containing individual mapping application sheets.

The services described include topographic mapping showing both one and two-foot contours, planimetric mapping, plan and profile mapping, cross sectioning and volumetrics.

The sheets contain illustrations and typical applications for each type of mapping.

Copies may be obtained by writing Dept. MN, c/o The Sidwell Company.



## CLARK LECTURES AT I.I.T



Mr. Gary Clark, Sidwell Photogrammetric Services Representative, was a recent guest lecturer at the Illinois Institute of Technology, Chicago.

Mr. Clark's lecture covered the technical aspects of precision aerial photography and photogrammetric mapping and how it applies to the fields of land surveying and civil engineering.

Students were shown the many steps in the topographic mapping process through the use of a color filmstrip program.



### AERIAL PHOTOGRAPHY SEASON BEGINS

At Sidwell precision aerial photography is the starting point for a wide variety of mapping services and products. Obtaining this photography is not an easy matter, however.

First, you must have the right equipment. This includes specially modified aircraft and precision calibrated cameras often costing as much as \$80,000.00. It also takes trained and experienced personnel.

Next, you must work within two short photography "seasons". These are during the fall and spring when the leaves are off the trees and the ground is not covered by snow. The available photography time during these short days is further cut by the requirement that the sun be more than three hours above the horizon.

Weather is also important. Clouds and haze can cause poor image quality, therefore, photographs can only be taken on clear sunny days. When the season and weather are just right, it's still more than just flying over an area and "taking pictures". Working from carefully prepared flight maps, the flight crew must fly along each line maintaining a constant heading, altitude and speed. The effects of high winds and turbulence must be controlled to maintain level flight and minimize the photographic distortions caused by the tip and tilt of the aircraft.

Once completed however, precision aerial photography is a permanent record of ground conditions and the beginning of many different engineering and tax mapping projects.

### EXPERIENCE COUNTS

A company's performance is based primarily on its experience.

Mr. Bill Barg, Sidwell Vice President, recently announced figures on Sidwell's tax mapping experience in conjunction with the company's 50th anniversary.

To date, aerial photography and mapping has been completed on over four million tax parcels covering more than twenty-two thousand square miles.

### NEW COUNTY ATLAS AVAILABLE

The latest edition of the St. Clair County, Illinois tax map atlas is now available for those requiring up to date property information.

The atlas is a reduced copy of the official county tax maps and is updated each year with all property changes.

The maps show all property boundaries, dimensions, acreages, and parcel numbers. Each atlas measures 11" X 17" making it convenient to use in the office or in the field.

Sidwell also publishes county atlases for Cook and DuPage Counties, Illinois and Kent County, Michigan.



### DAVE WILL NEW REPRESENTATIVE



Mr. Dave Will was recently named a Photogrammetric Services Representative for the Chicagoland area.

Dave brings with him practical experience in photogrammetry as a result of directing the operation of Sidwell's control surveying services.

He is an Illinois Registered Land Surveyor, a graduate of Oregon Technical Institute and a member of many professional societies including the American Society of Civil Engineers.

### CONVENTIONS SCHEDULED

Officials interested in aerial photography and tax mapping had the opportunity to meet and talk with Sidwell representatives at numerous conferences during the months of November and December.

A full presentation on tax mapping and parcel numbering was given at the Missouri Assessors Conference. Other meetings included the Ohio Auditors Conference, the Indiana County Officials Conference and the winter meeting of the Illinois County Officials.

Sidwell will also be represented at the Indiana Assessors Conference and the Michigan County Officers Convention in January.



### FOR FURTHER INFORMATION ON ANY SIDWELL MAPPING SERVICES . . .

write The Sidwell Co., 28W240 North Avenue, West Chicago, IL 60185 . . . or phone (312) 231-0206.