Preface

The 46th Annual Purdue Road School attracted more registrants than any Road School since 1954. This is no doubt a reflection of the increased highway programs at all levels of government. The interchange of information made possible by this meeting should prove beneficial to the economic development of the highway systems throughout the state of Indiana.

The success of the Road School depends on the cooperative efforts of a great number of people both from the University and from the cooperating agencies throughout the state. This cooperation is always freely given and is gratefully acknowledged.

REGISTRATION

The official registration totaled 1,020. The following tabulation shows the classified Road School registrations over the past five years:

<table>
<thead>
<tr>
<th>Classified Road School Registrations</th>
<th>1956*</th>
<th>1957</th>
<th>1958</th>
<th>1959</th>
<th>1960</th>
</tr>
</thead>
<tbody>
<tr>
<td>State Highway Men</td>
<td>243</td>
<td>229</td>
<td>232</td>
<td>254</td>
<td>304</td>
</tr>
<tr>
<td>County Road Supervisors</td>
<td>69</td>
<td>63</td>
<td>59</td>
<td>78</td>
<td>61</td>
</tr>
<tr>
<td>County Road Employees</td>
<td>43</td>
<td>14</td>
<td>12</td>
<td>4</td>
<td>27</td>
</tr>
<tr>
<td>County Surveyors and Engineers</td>
<td>45</td>
<td>49</td>
<td>54</td>
<td>45</td>
<td>47</td>
</tr>
<tr>
<td>County Surveyors Deputies</td>
<td>13</td>
<td>11</td>
<td>13</td>
<td>7</td>
<td>10</td>
</tr>
<tr>
<td>County Commissioners</td>
<td>111</td>
<td>107</td>
<td>102</td>
<td>152</td>
<td>172</td>
</tr>
<tr>
<td>County Auditors</td>
<td></td>
<td></td>
<td></td>
<td>10</td>
<td>8</td>
</tr>
<tr>
<td>City Officials</td>
<td>68</td>
<td>53</td>
<td>55</td>
<td>52</td>
<td>73</td>
</tr>
<tr>
<td>Contractors and Employees</td>
<td>49</td>
<td>38</td>
<td>22</td>
<td>21()</td>
<td>187()</td>
</tr>
<tr>
<td>Materials and Equipment Men</td>
<td>225</td>
<td>132</td>
<td>150</td>
<td>125</td>
<td>171</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>144</td>
<td>155</td>
<td>133</td>
<td>145</td>
<td>133</td>
</tr>
<tr>
<td>Total</td>
<td>1,010</td>
<td>851</td>
<td>841</td>
<td>888</td>
<td>1,020</td>
</tr>
</tbody>
</table>

*Road Show

Nineteen of the 92 counties in Indiana were represented by all three of their commissioners as well as their road supervisor and surveyor. These counties were: Blackford, Boone, Brown, Carroll, Cass, Clinton, Decatur, Greene, Henry, Huntington, Jay, LaPorte, Marshall, Miami, Morgan, Shelby, Steuben, Tippecanoe, and White.

No county officials were registered from the following ten counties: Gibson, Harrison, Lake, Lawrence, Ohio, Perry, Pike, Posey, Ripley, and Union.
Forty-one Indiana cities were officially represented. This city group included 22 city engineers, 23 street commissioners, and a miscellaneous group of 23 other officials and employees.

PROGRAM SESSIONS

The school opened at 10:30 a.m. Monday with a general session that consisted primarily of a report by the State Highway Department. This year the report was ably delivered by J. R. Cooper, assistant chief engineer, State Highway Department of Indiana.

The entire Monday afternoon session was devoted to a symposium on Inspection and Control of Highway Construction. Participating in this program were:

Bruce E. Foster, assistant chief, Concreting Materials Section, National Bureau of Standards, Washington, D. C.
Bramlette McClelland, president, McClelland Engineers, Houston, Texas.
A. B. Cornthwaite, materials and tests engineer, Virginia Department of Highways, Richmond, Virginia.
Walter H. Price, chief research engineer, Bureau of Reclamation, Denver, Colorado.

To counterpoint the Monday symposium, the Wednesday afternoon general session dealt primarily with matters of traffic and planning. Speakers on this program were:

David R. Levin, chief, Highway and Land Administration Division, Bureau of Public Roads, Washington, D. C.
Edward G. Wetzel, special assistant to the director, Port of New York Authority, New York City.

On Tuesday afternoon the Joint Highway Research Project and the newly formed Highway Extension and Research Project for Indiana Counties reported their activities.

Separate sessions were held by the cooperating groups on Tuesday, Wednesday, and Thursday mornings. In general, these sessions are aimed at the specific problems of the groups while the topics covered at the general sessions are broader in nature.

Fig. 2. Speakers at the general session of the Purdue Road School Wednesday afternoon, April 20, included left to right: David R. Levin, chief, Highway and Land Administration Division, Bureau of Public Roads, Washington, D. C.; Robert F. Van Hoef, Michigan State Highway Department, Lansing, Michigan; George M. Foster, executive director, State Highway Department of Indiana, moderator; Edward G. Wetzel, Port of New York Authority, New York City.
SMOKER

The traditional smoker, sponsored by the Lafayette chapter of the Indiana Society of Professional Engineers, was held on Monday night. J. B. Jones, president, Lafayette chapter, presided at the session.

R. J. Rudolph, executive secretary of the Purdue Alumni Association, narrated the film of the 1959 Purdue-Notre Dame football game. E. J. Yoder, associate professor of highway engineering, who had recently returned from serving as highway consultant to the government of Southern Rhodesia, presented an illustrated lecture.

BANQUET

The Wednesday night banquet continued to be an outstanding feature of the school. W. M. Holland, executive secretary, Indiana Highway Constructors, Inc., served as toastmaster. The Purdue Glee Club provided entertainment and the principal speaker was Pyke Johnson, chairman of the Executive Committee of the Highway Research Board and former president of the Automotive Safety Foundation.

Fig. 3. A feature of the 46th Annual Purdue Road School was an exhibit on traffic engineering. Shown with a portion of the display on traffic signs are, left to right: W. W. Schenler, president of the student chapter of the Institute of Traffic Engineers at Purdue; Frank S. Vukovits, engineer of traffic surveys, State Highway Department and vice-president of the Indiana Section, Institute of Traffic Engineers.
Fig. 4. Purdue Road School speakers at a technical session Monday afternoon, on inspection and control of highway construction, included, seated left to right: Walter H. Price, Bureau of Reclamation, Denver, Colo.; Bruce E. Foster, National Bureau of Standards, Washington, D. C. Second row, left to right: Bramlette McClelland, Houston, Tex.; Prof. K. B. Woods, head of the School of Civil Engineering at Purdue; A. B. Cornthwaite, Virginia Department of Highways.

COOPERATING GROUPS

The 1960 Official Directory of the Road School cooperating groups is as follows:

OFFICIAL DIRECTORY
Purdue University

Frederick L. Hovde..................................................President
G. A. Hawkins...........................................Dean, Schools of Engineering, and Director
                                      Engineering Experiment Station
K. B. Woods................................................Head, School of Civil Engineering;
                                      Director, Joint Highway Research Project
                                      and Co-chairman, 46th Annual Road School
H. L. Solberg........................................Associate Dean, Schools of Engineering
C. H. Lawshe........................................Dean, University Extension Administration
H. L. Michael..................................Associate Professor of Highway Engineering
                                      and Assistant Director, Joint Highway Research Project
J. F. McLaughlin..........................Associate Professor of Civil Engineering
                                      and Co-chairman, 46th Annual Road School
Fig. 5. Officers of the Indiana City Engineers Association are, left to right: Edwin J. Denman, Anderson, secretary-treasurer; Howard C. Coblenz, Lafayette, president; Earl Henneger, Kokomo, vice-president.

Indiana State Highway Department
John Peters, New Albany.................................................................Chairman
Charles M. Dawson, Indianapolis................................................Member
Harry E. Bodine, Greenwood........................................................Member
George M. Foster, Indianapolis....................................................Executive Director
Carl Vogelgesang, Indianapolis....................................................Chief Engineer

County Highway Supervisors Association
E. S. Ward, Washington.................................................................President
Glenn L. Christensen, Connersville..............................................Vice-President
Donald Carr, Monticello...............................................................Secretary-Treasurer

County Surveyors and County Engineers Association
Charles E. Smith, Madison..........................................................President
William Voght, Hartford City.......................................................Vice-President
Rohr Smith, Shelbyville...............................................................Vice-President
Don Gilbert, Angola.................................................................Treasurer
Joseph Smrt, Knox.................................................................Secretary
County Commissioners Association

Thomas W. Welch, Butlerville.................................................President
L. O. Miltenberger, Wabash....................................................Vice-President
Earl Weber, Lebanon ..............................................................Secretary-Treasurer

City Engineers Association

Howard C. Coblentz, Lafayette ..................................................President
Earl Henneger, Kokomo.............................................................Vice-President
Edwin J. Denman, Anderson....................................................Secretary-Treasurer

Indiana Section—Institute of Traffic Engineers

James H. Cox, Indianapolis........................................................President
Stanley T. Siegel, Indianapolis.................................................Vice-President
Frank S. Vukovits, South Bend................................................Vice-President
H. L. Michael, West Lafayette..................................................Secretary-Treasurer

Highway Materials and Equipment Association

P. E. MacAllister, Indianapolis..................................................President
John Stockberger, Indianapolis................................................Vice-President
John Manwaring, Indianapolis.................................................Treasurer
L. L. Moon, Indianapolis..........................................................Secretary

Indiana Highway Constructors, Inc.

Robert F. Berns, Rochester.......................................................President
A. D. Blackburn, Fort Wayne....................................................Vice-President
Paul H. Sawyers, Indianapolis...............................................Secretary-Treasurer
W. M. Holland, Indianapolis....................................................Executive Secretary

Fig. 6. Officers of the Street Commissioners Association are, left to right front row: Perry Colglazier, Salem, vice-president; O. A. Bossung, West Lafayette, secretary-treasurer; Dan W. Richardson, South Bend, president; Raymond E. Richardson, Bloomington, vice-president. Back row: Ivan C. Grenat, Lafayette, vice-president; Walter Price, Hartford City, vice-president.
Fig. 7. Officers of the County Commissioners Association are, left to right front row: L. O. Miltenberger, Wabash, vice-president; Thomas Welch, Butlerville, president; Earl Weber, Lebanon, secretary-treasurer. Back row: Claude Hodson, Greensburg, executive secretary; Floyd Gingrich, Lafayette, retired president; Mrs. Helen Ettinger, office staff, Indianapolis; Ralph G. Jones, Boonville, Warrick County, southwestern district president; Garnett S. Patterson, Flatrock, Shelby County, southeastern district president.

Indiana Street Commissioners Association
Dan W. Richardson, South Bend ........................................................President
Perry Colglazier, Salem .................................................................Vice-President
Raymond E. Richardson, Bloomington ........................................Vice-President
Ivan C. Grenat, Lafayette .............................................................Vice-President
Walter Price, Hartford City ........................................................Vice-President
O. A. Bossung, West Lafayette ..............................................Secretary-Treasurer

Indiana County Auditors Association
Frank C. Cornell, Goshen ..........................................................President
John Cunningham, Shelbyville ................................................Vice-President
Earl Swaim, Rockville ...............................................................Vice-President
John Eakin, Rensselaer .........................................................Vice-President
Rodney Brown, Bloomington ..............................................Secretary-Treasurer

DIRECTORY
The 1960 Directory of Indiana State, County, and City Officials Responsible for Road and Street Work was compiled, printed, and mailed prior to the opening of the Road School. Additional distribution
was made at the Road School. This compilation was made by Don G. Shurig, assistant professor of civil engineering.

FORTY-SEVENTH ANNUAL ROAD SCHOOL

The 47th Annual Road School is scheduled for March 27-30, 1961. It should be noted that these dates precede Easter. The practice of having the Road School begin on the Monday following Easter Sunday has been discontinued because of a change in the method of establishing the spring vacation for the University students.

Fig. 8. Officers of the Indiana County Highway Supervisors Association are, left to right front row: Conrad Shinn, Brazil, retired vice-president; E. S. Ward, Washington, president; Glenn L. Christensen, Connersville, vice-president. Back row: C. J. McLeland, Angola, retired president.