

The judges were selected on the basis of their familiarity with mine rescue procedures. In this instance, all were representatives of the Bureau of Mines and the various State mining departments. A predetermined number of points was discounted for wrong answers to preliminary questions, for improper checking of apparatus, for each failure to perform standard procedures during rescue and recovery work, and for improper marking of the mine map. The judges used standard discount sheets or scorecards in making these ratings. The team having the smallest number of discounts was declared the winner of the mine rescue contest. The team having the next smallest number of discounts was given second place, and so forth.

To enable all teams to be trained alike as far as possible and to assist the judges in rating the performance of the teams, a list of specific rules governing the mine rescue contest was made available to all teams and other interested persons or groups before the contest. A copy of these rules is shown in appendix B and a copy of the judges' discount sheets is included in appendix C.

A list of the participating mine rescue teams, their sponsors, and the final standing of the teams is shown in table 3.

TABLE 3. - Final standing of teams in mine rescue contest

Place	Team No.	Mine or team	Captain	Company	Location	Total discounts
1	1	Mine No. 22	Douglas Damron	Bethlehem Mines Corp.	Jenkins, Ky.	20
2	4	Mine No. 21	Kelly Desimone	Bethlehem Mines Corp.	Jenkins, Ky.	32
3	9	Team No. 2	Harrison Sparks	Inland Steel Company	Wheelwright, Ky.	38
4	3	Mine No. 21 Combination Team ^{1/}	Warnie Flint, Jr.	Bethlehem Mines Corp.	Jenkins, Ky.	42
5	7	Holden Division - Combination Team ^{1/}	James Robertson ^{2/}	Island Creek Coal Co.	Holden, W. Va.	50
6	5	Frick District - Mine Rescue and First Aid Team ^{1/}	Pete Yadamec	United States Steel Corp.	Uniontown, Pa.	65
7	8	Combination Team ^{1/}	Edward Zemaitis ^{2/}	Pittsburgh Coal Company	Library, Pa.	104
8	2	Diamond Mine ^{1/}	Morris Troska ^{2/}	Imperial Coal Corp.	Boltz, Pa.	106
9	6	Scrub Oaks & Washington Mine ^{1/}	Stanley Usinowicz	Alan Wood Steel Co.	Dover, N. J.	173

^{1/} Indicates Combination Team.

^{2/} Captain of Mine Rescue Team different from Captain of First Aid Team.

FIRST-AID CONTEST

The First-Aid Contest, with Harry Gandy, Jr., as master of ceremonies, was officially opened October 6 with the National Anthem and an invocation by the Right Reverend Francis Garvey, Pastor, St. Joseph's Cathedral, Buffalo.

Welcoming remarks were made by Dan Maples, Secretary to Mayor Frank A. Sedita, and General Chairman Marling J. Ankeny presented the following official message of greeting to the contestants, officials, and guests:

It is a pleasure to welcome you to the 18th National First-Aid and Mine Rescue Contest at Buffalo, and I trust that you will enjoy your visit to this area.

The first of these national contests was held in Pittsburgh, Pennsylvania, in October 1911. They were held more or less regularly until the 1930 contest in Louisville and then they were discontinued for 20 years. The contests were reactivated in 1950 and the 14th contest was held at Columbus, Ohio, in 1951. It was then decided to hold them every two years. The 15th contest was held in 1953 at Fort Wayne, Indiana, the 16th in 1955 at Knoxville, Tenn., and the 17th at Louisville, Ky., in 1957.

These events have become known as the "World Series of Safety"--an appropriate title. Most of the contesting teams won the privilege to compete here through capturing top honors in their respective State or district contests, and we expect the competition to be keen.

The main purpose of these events is to stimulate interest in first-aid and mine rescue procedures and to encourage industrial workmen, particularly those associated with the mineral industries, to participate in the training, and to give deserved recognition to you who have worked so faithfully and diligently to reach this ultimate goal.

First-aid and mine rescue training is fundamental safety education. I believe that such training provides one of the best means of arousing safety consciousness in workmen. A man well grounded in these fundamentals is bound to be a safer workman. In fact Bureau of Mines records show that men so trained are much less likely to be injured than ones not so trained. In learning and practicing first-aid and mine rescue procedures, the trainees necessarily study the various hazards of their occupational environments and how they can be minimized or eliminated.

The Bureau of Mines is firmly convinced that basic training in first-aid and mine rescue will promote accident prevention. This thinking has been manifested by the widespread training that the Bureau has conducted or sponsored over the years, beginning shortly after it was established 49 years ago. Almost 2 million persons have been awarded Bureau of Mines certificates for completing the Bureau's first-aid course and more than 100 thousand have earned Bureau mine rescue certificates. To further this kind of work, Bureau representatives, in

addition to training or examining candidates to qualify for certificates, cooperate in local, district, State and National contests.

The Bureau of Mines does not claim sole credit for the success of these undertakings. On the contrary, equal credit is due the companies, mining associations, the United Mine Workers of America, the State mining departments and last, but not least, you the participants.

I am especially pleased to acknowledge the fine cooperation of all who contributed to this contest. Without the financial support of the cooperating agencies and the unselfish time devoted by officers of the contest and members of the various committees in charge of the arrangements, this contest would not have been possible. As general chairman of the contest I thank everyone for his contribution.

The contesting teams are awaiting the "green light" with much enthusiasm. It is, obviously, a great satisfaction to come out on top in the contest. As I mentioned heretofore, the competition will be keen, and the difference between teams will be small. Regardless of the final outcome, each of you team members is a winner because of your increased proficiency to render service in time of dire need. Moreover, you should be a safer workman and through the avoidance of accident and injury add to your longevity, prevent much suffering to yourself and others, and enhance the economic welfare of your loved ones.

This contest was held in the main arena of the Memorial Auditorium on October 6 and 7. The position of each team on the field was determined by drawing of numbers by the team captains at the time of registration.

Twelve problems were worked--10 for the contest and 2 extra for use in case of ties. (See appendix D.)

Rules governing the contest were made available to all interested persons and groups before the contest and are included in appendix E.

Participating teams, their sponsors, and the final standing of the teams are shown in table 4. Figure 5 shows First Aid team in action.

Two judges, Federal and State, were assigned to each team. To make the judging as fair as possible, the judges were rotated after each problem. The number of spaces each set of two judges moved was determined by drawing of numbers (one to four) from a hat by various team captains. Supervising judges representing both the Bureau of Mines and the States were assigned to a group of several teams. Like the individual team judges, they also moved to the next group after each problem. A sample of the first-aid judges discount sheet is included as appendix F.

TABLE 4. - Final standing of teams in first-aid contest

Place	Team No.	Mine or team	Captain	Company	Location	Score, points	Dis-counts
1	6	Compass No. 1	Dale See	Clinchfield Coal Co.	Clarksburg, W. Va.	4954	46
2	1	Georgetown No. 12	Robert Secrest	Hanna Coal Co.	Cadiz, Ohio	4952	48
3	22	Gary District No. 3	Albert Wagers	U. S. Steel Corp.	Gary, W. Va.	4948	52
4	27	Mine No. 21 ¹ / ₁	Warnie Flint, Jr.	Bethlehem Mines Corp.	Jenkins, Ky.	4947	53
5	25	Wyoming Mine Team	Willard Graham	Island Creek Coal Co.	Holden, W. Va.	4946 +	54
6	21	Nemacolin Mine Team	Alex Kott	The Buckeye Coal Co.	Nemacolin, Pa.	4946 -	54
7	39	Team 1	Raymond Barber	Bethlehem Mines Corp.	Idamay, W. Va.	4940	60
8	29	Holden Div., combination team ¹ / ₁	James Adkins ² / ₂	Island Creek Coal Co.	Holden, W. Va.	4939	61
9	17	Combination team ¹ / ₁	James Beck ² / ₂	Pittsburgh Coal Co.	Library, Pa.	4938	62
10	31	Revloc team	Steve Urish	Bethlehem Mines Corp.	Ebensburg, Pa.	4937	63
11	7	Enoco Day Shift Team	Ray Wools	Enoco Collieries, Inc.	Bruceville, Ind.	4935	65
12	41	Team 2	Pearcy J. Halstead	Armco Steel Corp.	Montcoal, W. Va.	4934	66
13	43	Donegan No. 14 Mine	William J. Taylor	Maust Coal & Coke Co.	Marlinton, W. Va.	4933 ++	67
14	36	No. 1 Mine	Artist Henderson	Armco Steel Corp.	Montcoal, W. Va.	4933 +	67
15	20	Midvale Mine	Donald D. Ohler	Columbia Southern Chemical Corp.	Midvale, Ohio	4933 -	67
16	35	Piney Fork No. 15 Mine	Wayne Van Curen	Hanna Coal Co.	Cadiz, Ohio	4933 --	67
17	38	Consol No. 9 Mine	J. Edward Waddell	Mountaineer Coal Co.	Fairmont, W. Va.	4932 ++	68
18	32	David Mine	Howard Hamilton	Princess Coals Inc., Princess Elkhorn Coal Div.	David, Ky.	4932 +	68
19	28	Frick District-Mine Rescue & First Aid Team ¹ / ₁	Pete Yadamec	U. S. Steel Corp.	Uniontown, Pa.	4932 -	68
20	9	Gary District-No. 2 Team	Robert Long	U. S. Steel Corp.	Gary, W. Va.	4928	72
21	19	Robena No. 2 Mine	Andrew L. Hatalla	U. S. Steel Corp.	Uniontown, Pa.	4927	73
22	30	Emerald Mine	Porter Remington	Emerald Coal & Coke Co.	Clarksville, Pa.	4925	75
23	16	Team 1	Clayton Ferguson	Inland Steel Co.	Wheelwright, Ky.	4923	77
24	37	Diamond Mine ¹ / ₁	John Rensko ² / ₂	Imperial Coal Corp.	Boltz, Pa.	4920	80

25	34	Stotesbury No. 11	James Flanagan	Eastern Gas & Fuel Associates, Coal Div.	Helen, W. Va.	4918	82
26	15	Powhatan No. 3 Mine	Michael Rusinko	The Powhatan Mining Co., Div. of the North American Coal Corp.	Powhatan Point, Ohio	4917 +	83
27	2	Team 1	Lowell Kelly	Mountaineer Coal Co.	Owings, W. Va.	4917 -	83
28	11	Harmar Mine	C. J. Callahan	Harmar Coal Co.	Library, Pa.	4914	86
29	40	Leatherwood No. 1	Glenn Shelton	Blue Diamond Coal Co.	Leatherwood, Ky.	4913	87
30	33	Holden Division	Harrison Porter	Island Creek Coal Co.	Holden, W. Va.	4912 +	88
31	23	West Delaware Tunnel	Elmer Schofield	West Delaware Tunnel Constructors	Livingston Manor, N. Y.	4912 -	88
32	26	Wharton No. 2	Dan Shelton	Eastern Gas & Fuel Associates, Coal Div.	Barrett, W. Va.	4908	92
33	14	Robena No. 1	Jerry Cappellini	U. S. Steel Corp.	Uniontown, Pa.	4906 +	94
34	12	Itmann Colliery	Carl Parks	Pocahontas Fuel Co., Div. of Consolidation Coal Co.	Pocahontas, Va.	4906 -	94
35	4	Harewood No. 1	James Criniti	Allied Chemical Corp., Semet-Solvay Div.	Longacre, W. Va.	4902 +	98
36	18	Team 1	Phares Evans	Reppert Fairmont Coal Co.	Buckhannon, W. Va.	4902 -	98
37	13	Harewood No. 2	Floyd Booker	Allied Chemical Corp., Semet-Solvay Div.	Longacre, W. Va.	4900 +	100
38	10	Warwick Team	George E. Williamson	Duquesne Light Co., Coal Dept.	Pittsburgh, Pa.	4900 -	100
39	3	Bishop Team	Clemon Grindstaff	Pocahontas Fuel Co., Div. of Consolidation Coal Co.	Pocahontas, Va.	4890	110
40	42	Tralee Team	Nelson Henderson	Allied Chemical Corp., Semet-Solvay Div.	Tralee, W. Va.	4888	112
41	24	Amonate Colliery	Jack Moorefield	Pocahontas Fuel Co., Div. of Consolidation Coal Co.	Pocahontas, Va.	4879	121
42	5	Scrub Oaks and Washington Mine ^{1/}	Stanley Usinowicz	Alan Wood Steel Co.	Dover, N. J.	4873	127
43	8	New York Trap Rock	Joseph T. Driscoll	New York Trap Rock Corp.	West Nyack, N. Y.	4863	137

^{1/} Indicates combination team.

^{2/} Captain of First Aid Team different from captain of Mine Rescue Team.



FIGURE 5. - First-Aid Team in Action.

(Inland Steel Co., Wheelwright, Ky.)

The proper functioning of any large first-aid contest is affected greatly by the method of distributing the problems and scorecards to the teams and of delivering the judges' scorecards to the recorders. The method of handling scorecards in this contest was similar to that followed in previous national contests; the assistants to the person in charge of the problems distributed them to the team judges, who, at the sound of the first gong, handed them to the team captains. The problem distributors also returned the scorecards to the chief distributor, who checked them off the list, then forwarded them to the scorecard examiners. All scorecards were sealed in envelopes by the judges as soon as the discounts were recorded and also by the scorecard examiners as soon as the information was completed and before the sheets were forwarded to the recorder. The contest functioned smoothly.

COMBINATION CONTEST

The combination event consisted of teams that had participated in both the mine rescue and first-aid contests. To compete in this event the same team that participated in the first-aid contest, exclusive of the patient, had to participate in the mine rescue contest.

Table 5 lists the teams, the companies represented, addresses of the teams, number of discounts received, and the standing of the teams in the combination contest.

TABLE 5. - Final standing of teams in combination contest

Place	Mine or team	Company	Location	Number of discounts	
				First aid	Mine rescue
1	Mine No. 21 Combination Team	Bethlehem Mines Corp.	Jenkins, Ky.	53	42
2	Holden Div.- Combination Team	Island Creek Coal Co.	Holden, W. Va.	61	50
3	Frick District, Mine Rescue and First-Aid team	U. S. Steel Corp.	Uniontown, Pa.	68	65
4	Combination Team	Pittsburgh Coal Co.	Library, Pa.	62	104
5	Diamond Mine	Imperial Coal Corp.	Boltz, Pa.	80	106
6	Scrub Oaks & Washington Mine	Alan Wood Steel Co.	Dover, N. J.	127	173

The ratings of the combination teams were determined by the total discounts for the first-aid and the mine rescue events.

BANQUET AND AWARDING OF PRIZES

The contest was followed by a banquet in the main ballroom of the Statler-Hilton Hotel the evening of October 7. Approximately 510 team members, officials, judges, and guests attended. After the banquet, prizes were presented to the winning teams in the first six places in the first-aid contest, the first four places in mine rescue, and the first two places in the combination contest.

The master of ceremonies was Harry Gandy, Jr., who announced the prize-winners. The names of the winners of each event, the prizes awarded, and the donors of the prizes are listed in appendix G. There were no speeches at the banquet.

STATE CHAMPIONS

The standing of the teams in the first-aid and mine rescue events was used as a basis for selecting the State champions. Winners of State awards and the awards are recorded in table 6.

TABLE 6. - State awards

State	Contest	Mine	Company	Award
Kentucky.....	First-aid	Mine No. 21	Bethlehem Mines Corp.	(a) Kentucky State banner. (b) Kentucky River Coal Association trophy. (c) Kentucky Mining Institute plaque.
Do.....	Mine rescue	Mine No. 22	do.	(a) Kentucky State banner. (b) National Mine Rescue Association Post #2 - individual prizes.
Do.....	Combination	Mine No. 21	do.	Kentucky champions banner.
Pennsylvania.	First-aid	Nemacolin mine	Buckeye Coal Co.	Pennsylvania State banner.
Do.....	Mine rescue	Frick District	U. S. Steel Corp.	do.
Do.....	Combination	do.	do.	do.
West Virginia	First-aid	Compass No. 1	Clinchfield Coal Co.	Central West Virginia Coal Mining Institute trophy.

COST OF NATIONAL CONTEST - METHOD OF FINANCING

An accurate detailed record of the cost of the national contest is not possible because much of the work in connection with making prior arrangements and for conducting it was done by representatives of various organizations without cost.

The amount necessary to cover the actual expenses of the contest, except the banquet, which was financed by the sale of tickets, was raised by popular subscription from the agencies listed below. Bureau of Mines personnel erected the gallery and laid out the simulated mine workings.

Fund Contributors

Contributions to the contest fund totaled \$5,975. A list of the donors follows:

Armco Steel Corporation
 Bethlehem Mines Corporation
 Big Sandy Elkhorn Coal Mining Institute
 Buckeye Coal Company
 Cannelton Coal & Coke Company
 Central Pennsylvania Coal Producers Association
 Crucible Steel Co. of America
 Duquesne Light Company
 Harlan Mining Institute
 Indiana Coal Operators Mine Rescue Station
 Inland Steel Company
 Jones & Laughlin Steel Corporation