

Hockey

Altho early information from countries planning to take part in the III Olympic Winter Games led the Organizing Committee to believe that a large number of ice hockey teams would compete at Lake Placid, unprecedented economic conditions all over the world, conditions that steadily grew worse as the closing date for national entries approached, resulted in only four teams entering.

These teams at Lake Placid represented Canada, Germany, Poland, and the United States. The competition was keen; every game was hard fought; and the whole program reflected the strides that hockey has made in the past few years as an international sport, both in popularity and in quality of play.

Each team played the other twice, so that, under this arrangement, there were 12 games on the official Olympic program. Six of these clashes took place outdoors in the Olympic stadium, and six indoors in the Olympic arena.

Because of the limited entry list in hockey resulting from the world-wide economic situation, the International Olympic Committee gave permission for enough exhibition contests to be staged to complete the minimum schedule of 18 games, planned for from the beginning for not less than six teams. There were five games in this series, participated in by the Olympic sextets and the following non-Olympic teams: McGill University of Canada and Lake Placid Athletic Club. Two games, originally scheduled to be played be-



Some fast work in center ice as Canada defeats United States 2—1 in first game of hockey series

—International Newsreel

tween Lake Placid A C and Canada and Lake Placid A C and U S A, were replaced by one game between a team made up of players from the Canadian and United States Olympic teams and the Lake Placid A C. As a result of this shift the complete hockey schedule consisted of 17 games.

Good spirit was shown by the Canadian and United States Olympic squads in combining for the exhibition game against Lake Placid A C. The Olympic players were all dressed in United States jerseys, only the stockings distinguishing the Canadian players from those of the United States. This exhibition clash was one of the best games on the entire Olympic card.

The final game of the Olympic series, that between the United States and Canada, literally packed the Olympic arena. No one can

estimate how many additional tickets could have been sold if there had been any room in which to put the purchasers.

Once again the arena proved its worth in making possible the playing thru of the hockey schedule without any interruption. There were two hockey boxes in the stadium and one in the arena. When weather conditions were against outdoor play, games were shifted to the indoor rink, with resulting satisfaction to the spectators and the players alike. With three hockey boxes available, it was always possible for teams to practice whenever they wished.

The loud-speaker installations at the stadium and the arena made it possible to announce scores and penalties so that the audience could follow the games with the utmost ease. Scores were also posted on large bulletin-boards at both stadium and arena.



—Wide World

United States hockey squad, runner-up to Canada for Olympic title. *Left to right, kneeling:* Farrell, Bent, Anderson, Cookman, Smith, Frazier. *Left to right, rear row, standing:* Winsor, coach, Nelson, Livingston, Fitzgerald, Everett, Chase, Palmer, Garrison, Hallock, Murray, trainer, and Gleason.

Governing Bodies and Officials

International Ice Hockey League

President—Paul Loicq, Brussels, Belgium

Amateur Athletic Union of the United States

President—Avery Brundage, Chicago, Illinois

Technical Delegate

Rufus J Trimble, United States

Technical Advisory Committee

Frank Greenleaf, Canada

Hermann Kleeberg, Germany

Dr Stanislaw Polakiewicz, Poland

Events and Rules

Dates of contests: Feb 4, 5, 6, 7, 8, 9, 10, 13

Maximum number of entries or contestants per nation: 1 team of 10 men with 3 reserves plus 1 reserve goal keeper.

Maximum number of players permitted to participate from one country in one contest: 10 men including 1 reserve goal keeper.

Under the rules adopted for scoring the hockey games at the III O W G, 2 points were given for each game won, 1 to each team for games tied, and none for each game lost.

Time of periods, 15 minutes each; overtime periods, 10 minutes each.



—International Newsreel

Canada and the United States tie at 2—2 in hockey final before huge throng in Olympic arena. Three over-time periods were played with no scoring

HOCKEY

Number of nations entered..... 4
 Number of individuals entered.... 49
 Number of contestants..... 49

G—Goal; D—Defense; C—Center; F—Forward

Canada

G—Cockburn, William
 G—Wagner, U Stanley
 D—Sutherland, Hugh
 D—Hinkel, Roy
 C—Monson, Walter
 C—Simpson, Harold
 C—Garbutt, George
 F—Malloy, Norman
 F—Wise, J Alston
 F—Lindquist, C Victor
 F—Rivers, N Romeo
 F—Moore, Kenneth
 F—Crowley, Clifford
 F—Duncanson, Albert

Poland

G—Stogowski, Jozef
 G—Sachs, Tadeusz

D—Mauer, Albert
 D—Kowalski, Aleksander
 C—Krygier, Wladzimirz
 C—Materski, Kazimierz
 F—Marchewczyk, Czeslaw
 F—Sokolowski, Kazimierz
 F—Sabinski, Roman
 F—Kowalski, Adam
 F—Ludwiczak, Witalis

Germany

G—Leinweber, Walter
 D—Heinrich, Alfred
 D—Römer, Erich
 C—Ball, Rudi
 C—Strobl, Georg
 F—Herker, Erich
 F—Jaenecke, Gustav
 F—Korff, Werner

F—Schröttle, Martin
 F—Slevogt, F Marquardt

United States

G—Farrell, Franklin
 G—Frazier, Edward
 D—Anderson, Osborn
 D—Garrison, John
 D—Fitzgerald, Joseph
 D—Hallock, Gerard
 D—Livingston, Robert
 C—Chase, John
 C—Nelson, Francis
 F—Bent, John
 F—Cookman, John
 F—Palmer, Winthrop
 F—Everett, Douglas
 F—Smith, Gordon



Associated Press

German Olympic hockey team. *Left to right, front row:* Strobl, Ball, Herker, Römer, and Schröttle. *Left to right, top row:* Heinrich, Leinweber, Dr Paul Schwarz, German consul-general in New York, Jaenecke, Slevogt, and Korff

HOCKEY RESULTS

Canada vs United States

| <i>Stadium</i> | <i>Morning, Feb 4</i> | <i>United States (1)</i> |
|-------------------|-----------------------|--------------------------|
| <i>Canada (2)</i> | <i>Spares</i> | |
| Cockburn..... | G..... | Farrell |
| Sutherland..... | RD..... | Garrison |
| Hinkel..... | LD..... | Anderson |
| Monson..... | C..... | Chase |
| Lindquist..... | RW..... | Everett |
| Rivers..... | LW..... | Palmer |

G—Goal; *RD*—Right Defense; *LD*—Left Defense; *C*—Center; *R W*—Right Wing; *LW*—Left Wing.

Score by periods

| | Overtime | | | | <i>Total</i> |
|-------------------|------------|------------|------------|---------------|--------------|
| | <i>1st</i> | <i>2nd</i> | <i>3rd</i> | <i>period</i> | |
| Canada | 0 | 0 | 1 | 1 | 2 |
| United States.... | 0 | 1 | 0 | 0 | 1 |

Goals

| | |
|--|-------|
| 1st period—None | |
| 2nd period—United States, Everett..... | 2:05 |
| 3rd period—Canada, Simpson..... | 13:36 |
| Overtime period—Canada, Lindquist..... | 7:14 |

Penalties

| | |
|---|-------|
| 1st period—None | |
| 2nd period—None | |
| 3rd period—Garrison, United States..... | 2 min |
| Palmer, United States..... | 2 min |
| Overtime period—Sutherland, Canada..... | 2 min |
| Malloy, Canada..... | 2 min |

Referees

Lou Marsh, Canada
Donald P Sands, United States

Goal Judges

Bert Marples, Canada
Clarence Bisson, United States

Timers

James T Sutherland, Canada
Elwood S Kerr, United States

Penalty Timers

Edward Gilroy, Canada
Henry Uihlein, United States

Germany vs Poland

| <i>Stadium</i> | <i>Germany (2)</i> | <i>Afternoon, Feb 4</i> | <i>Poland (1)</i> |
|----------------|--------------------|-------------------------|-------------------|
| Leinweber..... | G..... | Stogowski | |
| Heinrich..... | RD..... | Kowalski, Al | |
| Romer..... | LD..... | Sokolowski | |
| Ball..... | C..... | Krygier | |
| Schröttle..... | R W..... | Sabinski | |
| Jaenecke..... | LW..... | Kowalski, Adam | |

| <i>Spares</i> | <i>Marchewczyk</i> |
|---------------|--------------------|
| Strobl | |
| Korff | Materski |
| Slevogt | Ludwiczak |

Score by periods

| | <i>1st</i> | <i>2nd</i> | <i>3rd</i> | <i>Total</i> |
|---------------|------------|------------|------------|--------------|
| Germany | 0 | 1 | 1 | 2 |
| Poland | 0 | 1 | 0 | 1 |

Goals

| | |
|-----------------------------------|-------|
| 1st period—None | |
| 2nd period—Germany, Jaenecke..... | 0:12 |
| Poland, Kowalski, Al..... | 10:25 |

| | |
|------------------------------------|------|
| 3rd period—Germany, Schröttle..... | 0:22 |
|------------------------------------|------|

Penalties

| | |
|-----------------------------------|-------|
| 1st period—Materski, Poland..... | 2 min |
| Sokolowski, Poland..... | 2 min |
| 2nd period—Heinrich, Germany..... | 2 min |
| Strobl, Germany..... | 2 min |
| Heinrich, Germany..... | 2 min |
| Sokolowski, Poland..... | 2 min |
| 3rd period—Sabinski, Poland..... | 2 min |
| Kowalski, Al, Poland..... | 2 min |

Referees

Lou Marsh, Canada
Donald P Sands, United States

Goal Judges

Clarence Bisson, United States
William Mace, United States

Timers

Elwood S Kerr, United States
James T Sutherland, Canada

Penalty Timers

Henry Uihlein, United States
Edward Gilroy, Canada

United States vs Poland

| <i>Stadium</i> | <i>Morning, Feb 5</i> |
|--------------------------|------------------------|
| <i>United States (4)</i> | <i>Poland (1)</i> |
| Farrell..... | G..... Stogowski |
| Garrison..... | RD..... Mauer |
| Anderson..... | LD..... Kowalski, Al |
| Chase..... | C..... Materski |
| Everett..... | RW..... Kowalski, Adam |
| Palmer..... | LW..... Marchewczyk |
| <i>Spares</i> | |
| Bent | Sokolowski |
| Cookman | Sabinski |
| Nelson | Ludwiczak |

| | Score by periods | | | |
|---------------------|------------------|-----|-----|-------|
| | 1st | 2nd | 3rd | Total |
| United States | 1 | 2 | 1 | 4 |
| Poland | 0 | 0 | 1 | 1 |

Goals

Penalties

| | |
|---|-------|
| 1st period—Garrison, United States..... | 2 min |
| Sokolowski, Poland..... | 2 min |
| 2nd period—Marchewczyk, Poland..... | 2 min |
| 3rd period—Kowalski, Al, Poland..... | 2 min |
| Ludwiczak, Poland..... | 2 min |

Referees

Lou Marsh, Canada
Donald P Sands, United States

Goal Judges

Clarence Bisson, United States
William Mace, United States

Timers

Elwood S Kerr, United States
James T Sutherland, Canada

Penalty Timers

Henry Uihlein, United States
Edward Gilroy, Canada

Canada vs Germany

| <i>Stadium</i> | | <i>Morning, Feb 6</i> |
|-------------------|----|-----------------------|
| <i>Canada (4)</i> | | <i>Germany (1)</i> |
| Cockburn | G | Leinweber |
| Sutherland | RD | Heinrich |
| Henkel | LD | Römer |
| Monson | C | Ball |
| Lindquist | RW | Jaenecke |
| Rivers | LW | Korff |

| | <i>Spares</i> | <i>Score by periods</i> | |
|---------------|---------------------------|-----------------------------|---|
| | Simpson Malloy Wise | Strobl Slevogt Herker | |
| Canada | 2 | 2 | 0 |
| Germany | 0 | 0 | 1 |
| | | Total | |
| | | 4 | 1 |

Goals

| | | |
|-------------|---------------------------|-------|
| 1st period— | Canada, Monson | 2:02 |
| | Canada, Monson | 14:44 |
| 2nd period— | Canada, Malloy | 9:16 |
| | Canada, Wise | 12:37 |
| 3rd period— | Germany, Herker | 13:58 |

Penalties

| | | |
|-------------|-------------------------|-------|
| 1st period— | Simpson, Canada..... | 2 min |
| | Lindquist, Canada..... | 2 min |
| | Heinrich, Germany..... | 2 min |
| 2nd period— | Hinkel, Canada..... | 2 min |
| | Strobl, Germany..... | 2 min |
| | Jaenecke, Germany | 2 min |
| 3rd period— | None | |

Referees

Lou Marsh, Canada
Donald P Sands, United States

Goal Judges

Clarence Bisson, United States
William Mace, United States

Timers

Elwood S Kerr, United States
James T Sutherland, Canada

Penalty Timers

Henry Uihlein, United States
Edward Gilroy, Canada

Canada vs Poland*Arena*

Canada (9)

| | | |
|-----------------|---------|----------------|
| Cockburn..... | G..... | Stogowski |
| Sutherland..... | RD..... | Sokolowski |
| Hinkel..... | LD..... | Kowalski, Al |
| Monson..... | C..... | Sabinski |
| Lindquist..... | RW..... | Kowalski, Adam |
| Rivers..... | WL..... | Marchewczyk |

Afternoon, Feb 7

Poland (0)

Spares

| | |
|---------|-----------|
| Wise | Ludwiczky |
| Simpson | Materski |
| Malloy | Krygier |

Score by periods

| | 1st | 2nd | 3rd | Total |
|-------------|-----|-----|-----|-------|
| Canada..... | 2 | 5 | 2 | 9 |
| Poland..... | 0 | 0 | 0 | 0 |

Goals

| | |
|------------------------------------|-------|
| 1st period—Canada, Rivers | 10:45 |
| Canada, Rivers | 12:04 |
| 2nd period—Canada, Lindquist | 3:15 |
| Canada, Monson | 3:38 |
| Canada, Monson | 12:48 |
| Canada, Simpson | 13:54 |
| Canada, Simpson | 14:52 |
| 3rd period—Canada, Malloy | 6:42 |
| Canada, Hinkel | 11:59 |

Penalties

| | |
|-------------------------------------|-------|
| 1st period—Sokolowski, Poland | 2 min |
| 2nd period—None | |
| 3rd period—Sutherland, Canada | 2 min |
| Simpson, Canada | 2 min |

Referees

Lou Marsh, Canada
Donald P Sands, United States

Goal Judges

William Mace, United States
J Bowlf, Canada

Timers

Elwood S Kerr, United States
James T Sutherland, Canada

Penalty Timers

William Eggens, United States
Nicholas Meyers, Canada

United States vs Germany*Arena*

United States (7)

| | | |
|---------------|---------|-----------|
| Farrell..... | G..... | Leinweber |
| Frazier..... | G..... | |
| Garrison..... | RD..... | Heinrich |
| Anderson..... | LD..... | Römer |
| Chase..... | C..... | Ball |
| Everett..... | RW..... | Schröttle |
| Palmer..... | LW..... | Jaenecke |

Evening, Feb 7

Germany (0)

Spares

| | |
|---------|---------|
| Bent | Slevogt |
| Nelson | Strobl |
| Cookman | Korff |

Score by periods

| | 1st | 2nd | 3rd | Total |
|---------------------|-----|-----|-----|-------|
| United States | 3 | 2 | 2 | 7 |
| Germany | 0 | 0 | 0 | 0 |

Goals

| | |
|---|-------|
| 1st period—United States, Everett | :37 |
| United States, Chase | :57 |
| United States, Chase | 2:38 |
| 2nd period—United States, Nelson | 4:30 |
| United States, Palmer | 14:58 |
| 3rd period—United States, Palmer | 13:42 |
| United States, Palmer | 14:59 |

Penalties

| | |
|------------------------------------|-------|
| 1st period—Heinrich, Germany | 2 min |
| Heinrich, Germany | 2 min |
| 2nd period—Korff, Germany | 2 min |
| Heinrich, Germany | 2 min |
| 3rd period—Heinrich, Germany | 2 min |
| Slevogt, Germany | 2 min |
| Anderson, United States | 5 min |

Referees

Lou Marsh, Canada
Donald P Sands, United States

Goal Judges

Earl Blynn, United States
Clarence Bisson, United States

Timers

Elwood S Kerr, United States
James T Sutherland, Canada

Penalty Timers

Henry Uihlein, United States
William Eggens, United States

United States vs Poland*Stadium* *Afternoon, Feb 8*

| United States (5) | Poland (0) |
|-------------------|---------------------|
| Farrell..... | G..... Stogowski |
| Garrison..... | R D..... Sokolowski |
| Livingston..... | LD..... Materski |
| Chase..... | C..... Sabinski |
| Bent | RW..... Marchewczyk |
| Palmer..... | L W..... Krygier |

Spares

| | |
|------------|----------------|
| Smith | Kowalski, Adam |
| Fitzgerald | Ludwiczak |
| Anderson | Kowalski, Al |

Score by periods

| | 1st | 2nd | 3rd | Total |
|--------------------|-----|-----|-----|-------|
| United States..... | 1 | 1 | 3 | 5 |
| Poland | 0 | 0 | 0 | 0 |

Goals

| | |
|---------------------------------------|-------|
| 1st period—United States, Smith..... | 6:42 |
| 2nd period—United States, Palmer..... | 10:07 |
| 3rd period—United States, Palmer..... | :57 |
| United States, Chase..... | 3:53 |
| United States; Anderson..... | 9:01 |

Penalties

| |
|---|
| 1st period—None |
| 2nd period—None |
| 3rd period—Fitzgerald, United States..... 1 min |

Referees

| |
|-------------------------------|
| Lou Marsh, Canada |
| Donald P Sands, United States |

Goal Judges

| |
|--------------------------------|
| Clarence Bisson, United States |
| Stewart McGillis, Canada |

Timers

| |
|------------------------------|
| Elwood S Kerr, United States |
| James T Sutherland, Canada |

Penalty Timers

| |
|-------------------------------|
| Henry Uihlein, United States |
| William Eggens, United States |

Canada vs Germany*Arena* *Evening, Feb 8*

| Canada (5) | Germany (0) |
|--------------------------|-------------|
| Cockburn..... G..... | Leinweber |
| Hinkel..... R D..... | Heinrich |
| Sutherland..... L D..... | Römer |
| Monson..... C..... | Ball |
| Lindquist..... RW..... | Schröttle |
| Rivers..... L W..... | Jaenecke |

Spares

| | |
|-----------|--------|
| Garbutt | Korff |
| Crowley | Strobl |
| Duncanson | Herker |

Score by periods

| | 1st | 2nd | 3rd | Total |
|---------------|-----|-----|-----|-------|
| Canada | 2 | 1 | 2 | 5 |
| Germany | 0 | 0 | 0 | 0 |

Goals

| | |
|------------------------------------|------|
| 1st period—Canada, Lindquist | 2:44 |
| Canada, Monson | 4:52 |
| 2nd period—Canada, Garbutt | 2:46 |
| 3rd period—Canada, Rivers. | 5:22 |
| Canada, Duncanson..... | 8:17 |

Penalties

| | |
|---------------------------------|-------|
| 1st period—None | |
| 2nd period—None | |
| 3rd period—Hinkel, Canada | 2 min |
| Ball, Canada | 1 min |

Referees

| |
|-------------------------------|
| Lou Marsh, Canada |
| Donald P Sands, United States |

Goal Judges

| |
|--------------------------------|
| Clarence Bisson, United States |
| William Mace, United States |

Timers

| |
|------------------------------|
| Elwood S Kerr, United States |
| James T Sutherland, Canada |

Penalty Timers

| |
|------------------------------|
| Henry Uihlein, United States |
| Ralph Ury, United States |

Germany vs Poland

Arena

Morning, Feb 13

Germany (4)

| | | |
|----------------|---------|----------------|
| Leinweber..... | G..... | Stogowski |
| Heinrich..... | RD..... | Kowalski, Al |
| Römer..... | LD..... | Sokolowski |
| Ball..... | C..... | Krygier |
| Schröttle..... | W..... | Sabinski |
| Jaenecke..... | LW..... | Kowalski, Adam |

Spares

| | |
|---------|-------------|
| Strobl | Marchewczyk |
| Korff | Materski |
| Slevogt | Ludwiczak |

Score by periods

| | 1st | 2nd | 3rd | Total |
|--------------|-----|-----|-----|-------|
| Germany..... | 0 | 2 | 2 | 4 |
| Poland..... | 0 | 1 | 0 | 1 |

Goals

| | |
|---------------------------------|-------|
| 1st period—None | |
| 2nd period—Germany, Ball..... | 5:57 |
| Poland, Kowalski, Al..... | 11:40 |
| Germany, Ball..... | 13:08 |
| 3rd period—Germany, Strobl..... | 2:20 |
| Germany, Ball..... | 12:15 |

Penalties

| | |
|------------------------------------|-------|
| 1st period—Sokolowski, Poland..... | 2 min |
| Ball, Germany..... | 5 min |
| 2nd period—Krygier, Poland..... | 2 min |
| 3rd period—Sokolowski, Poland..... | 2 min |
| Jaenecke, Germany..... | 2 min |
| Heinrich, Germany..... | 2 min |

Referees

Lou Marsh, Canada
Donald P Sands, United States

Goal Judges

Frank Greenleaf, Canada
Clarence Bisson, United States

Timer

James T Sutherland, Canada

Penalty Timers

Henry Uihlein, United States
Nicholas Meyers, Canada

United States vs Canada

Arena

Afternoon, Feb 13

United States (2)

| | | |
|---------------|---------|------------|
| Farrell..... | G..... | Cockburn |
| Garrison..... | RD..... | Sutherland |
| Anderson..... | LD..... | Hinkel |
| Chase..... | C..... | Monson |
| Everett..... | RW..... | Lindquist |
| Palmer..... | IW..... | Rivers |

Spares

| | |
|---------|---------|
| Cookman | Simpson |
| Nelson | Malloy |
| Bent | Wise |

Score by periods

| | 1st | 2nd | 3rd | Total* |
|--------------------|-----|-----|-----|--------|
| United States..... | 1 | 1 | 0 | 2 |
| Canada..... | 1 | 0 | 1 | 2 |

* Three overtime periods played without scoring.

Goals

| | |
|--|-------|
| 1st period—United States, Everett..... | 2:17 |
| Canada, Simpson..... | 9:47 |
| 2nd period—United States, Palmer..... | 13:38 |
| 3rd period—Canada, Rivers..... | 14:10 |

Penalties

| | |
|---|-------|
| 1st period—Garrison, United States..... | 2 min |
| 2nd period—Nelson, United States..... | 2 min |
| Simpson, Canada..... | 2 min |
| Malloy, Canada..... | 2 min |
| 3rd period—Hinkel, Canada..... | 2 min |
| Garrison, United States..... | 2 min |
| Monson, Canada..... | 2 min |

| | |
|---|-------|
| 1st overtime period—None | |
| 2nd overtime period—Monson, Canada..... | 1 min |
| Chase, United States..... | 1 min |

3rd overtime period—None

Referees
Lou Marsh, Canada
Donald P Sands, United States

Goal Judges

Clarence Bisson, United States
J Bowlf, Canada

Timers

Elwood S Kerr, United States
James T Sutherland, Canada

Penalty Timers

Henry Uihlein, United States
Nicholas Meyers, Canada

RESULTS
Summary of Olympic Hockey Results

| | Canada | Germany | Poland | United States | Won | Lost | Tie | Points |
|-------------------|--------|---------|--------|---------------|-----|------|-----|--------|
| Canada | | 4 : 1 | 9 : 0 | 2 : 1 | 5 | 0 | 1 | 11 |
| | | 5 : 0 | 10 : 0 | 2 : 2 | | | | |
| Germany | 1 : 4 | | 2 : 1 | 0 : 7 | 2 | 4 | | 4 |
| | 0 : 5 | | 4 : 1 | 0 : 8 | | | | |
| Poland | 0 : 9 | 1 : 2 | | 1 : 4 | 0 | 6 | | 0 |
| | 0 : 10 | 1 : 4 | | 0 : 5 | | | | |
| United States . . | 1 : 2 | 7 : 0 | 4 : 1 | | 4 | 1 | 1 | 9 |
| | 2 : 2 | 8 : 0 | 5 : 0 | | | | | |



—Wide World

THE OLYMPIC CHAMPIONS

Winning Canadian hockey team, undefeated in Olympic series. *Left to right, kneeling:* Coach Hughes, Lindquist, Rivers, Monson, Malloy. *Left to right, standing:* Duncanson, Hinkel, Cockburn, Simpson, Wagner, Sutherland, Wise



—International Newsreel

Stogowski, Polish goalie, gives Bent, United States forward, a spill in front of the cage in the first match between Poland and the United States, the latter winning 4-1



—Wide World

Poland's hockey team. Left to right, kneeling: Mauer, Adam Kowalski, Ludwiczak. Standing, left to right: Polakiewicz (member technical advisory committee), Aleksander Kowalski, Sokolowski, Sabinski, Stogowski, Marchewczyk, Krygier, and Sachs