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HISTORICAL OUTLINE OF THE CRACOW DEPARTMENT OF THE ASSOCIATION OF POLISH ELECTRICAL ENGINEERS (SEP)

RYS HISTORYCZNY ODDZIAŁU KRAKOWSKIEGO STOWARZYSZENIA ELEKTRYKÓW POLSKICH

Summary: In this paper, the anniversary of 100 years of the history of the Cracow Department of SEP was summarized. The activity of Cracow electrical engineers in the period preceding the Foundation Congress held in June 1919 was recollected. The most important events from the history of the Department were discussed and the profiles of the persons whose activity had contributed to the present high position of the Cracow Department of SEP were mentioned.

Keywords: Electrotechnical section KTT, Circle and Department of Cracow SEP, Conventions in Cracow, major achievements of Cracow Department of SEP

Streszczenie: W artykule podsumowano 100 lat historii Oddziału Krakowskiego SEP. Przypomniano działalność elektryków krakowskich w okresie poprzedzającym Zjazd Założycielski odbyty w czerwcu 1919r. Omówiono najważniejsze wydarzenia z historii Oddziału oraz wspomniano sylwetki ludzi, których działalność przyczyniła się do aktualnej wysokiej pozycji O/Kr SEP.

Słowa kluczowe: Sekcja Elektrotechniczna KTT, Koło i Oddział Krakowski SEP, Zjazdy SEP w Krakowie, Ważniejsze osiągnięcia O/Kr SEP

The beginnings of the activity of Cracow electrical engineers

Around 1904, the Cracow electricians joined the activity of Cracow Technical Society (KTT) connected, *inter alia*, with the construction of Urban Power Plant in Cracow. The most active electricians of the discussed period were: Stanisław BIELIŃSKI, Henryk DUBELTOWICZ, Kazimierz GAYCZAK and Leonard ZGLIŃSKI. As initiated by the above mentioned persons, the 2nd Congress of Polish Electrical Engineers was held in Cracow in 1912. The Congress undertook the initiative to create the nationwide Association of Polish Electrical Engineers. In April 1914, the Electrical Engineering Section of KTT was generated and its activity included the work on electrical engineering wording, organization of lectures and the matters concerning the licences of the electrical engineering industry. After the World War I, the activity of Cracow electrical engineers was focused on the establishment of the nationwide organization of electricians.

In June 7-9, 1919, during the National Congress of Electrical Engineers in Warsaw, there was established the Association of Polish

Electrical Technicians, the name of which was changed – in 1928 – into the Association of Polish Electrical Engineers.

The founding Convention was attended by 14 Cracow electricians who delivered 5 lectures and submitted the programme of the regulations of Polish Electrical Engineering Delegation. The Cracow circle together with the Warsaw, Lvov, Łódź, Poznań and Sosnowiec circles joined the Association as the founding organs and the leader of the Cracow electricians, Stanisław BIELIŃSKI became the member of the Chief Board of SEP, consisting of 9 persons.



Fig. 1. Co-founder and first president of the SEP Circle and Krakow Branch Stanisław Bieliński



Activities of the Cracow Circle and Department of SEP during the interwar period

The Electric Engineering Section of the KTT existed formally until 16 June 1920 when the Cracow Circle of SEP was established. It consisted of 26 members. Stanisław BIELIŃSKI, director of Urban Power Plant was elected as the first President of the Circle, being transformed later into the Department (1928). The Cracow Circle of SEP carried on the scientific-technical activity via organization of lectures and discussion meetings. The social meetings were also organized. The Circle cooperated with the Bureau of Formal Logo of SEP. In the thirties, the institution of collective member was established in SEP. The Cracow Department acquired three collective members, i.e. Factory of Cables in Cracow, District Power Plant Siersza Wodna and Urban Power Plant in Cracow. The Cracow Department participated actively in life of the Association, organizing, inter alia, the 6th General Assembly of the SEP Members in 1934. During the mentioned Assembly, the exhibition of electrotechnical products was organized at AGH- University of Science and Technology.

In the thirties, the number of the members of the Department was systematically increasing; in February 1937, it associated 56 members.

The most merited activists of the Cracow Circle and Department of SEP during the first 20 years were the following persons: the Presidents - Stanisław BIELIŃSKI (1920-1932), Maryan PORĘBSKI (1932-1933), Henryk DUBELTOWICZ (1933-1935), Leonard ZGLIŃSKI (1935-1938), Tadeusz MOSKALEWSKI (1938-1939) and Jan SZMIDT (1939), and Zygmunt BEDNARSKI, Waclaw CIEŚLEWSKI, Stanisław KIJAS, Jan PAWLIK, Izidor PILKIEWICZ and Stanisław RODAŃSKI.

During the period of Nazi occupation, the members of the Cracow Department of SEP made a significant contribution to the confident learning, protection of Polish industry and armed struggle with the invader.

The Cracow Department of SEP in the years 1945 – 1969

In March 1946, by the initiative of the pre-war members of the Board, the first post-war General Assembly of the Department Members was held; it elected the Board with Władysław PRZYBYŁOWSKI as the President of the Department. The department accounted for 93 members at the mentioned time and majority of them were the employees of the Power Station of Cracow District. In 1949, the number of the Department members increased up to 172, in 1959 – 706, and in 1969, it was equal to 1863.

During the first after-war decade, the major achievements of the Department included: work at organization of the Voivodeship Department of NOT in Cracow, establishment of factory circles, assistance at organization of Higher Engineering School for working persons, creation and active participation in activity of the Commission of Small Energy and aiding in establishing the site of broadcasting centre on Chorągwica Hill and TV studio at Krzemionki.

The appearance of SEP in work places had a significant meaning for the development of the Department. As early as in the years 1951-1952, 11 factory circles were organized within the department and their number increased up to 20 until the end of 1959. In the discussed period, the following successive Presidents of the Department gave the outstanding contribution to the development of Cracow Department: Władysław PRZYBYŁOWSKI (1946), Adam BALICKI (1946-1948), Jan DROBOT (1948-1949), Jan ORSKI (1954, 1960-1969), Roman ASLER (1951-1953), Karol CHWAŁA (1954-1959) and Stanisław DREWNIIEWSKI, Waclaw CIEŚLEWSKI, Waclaw KIEŁBIK, Michał KIBIŃSKI, Zygmunt POPIELUCH and Władysław STYŚ.

In September 1956, the Department organized the 9th General Assembly of SEP Delegates held in Cracow during which a profound analysis of the work of the Association was carried out and the directions of its further activity were outlined.

At the end of the fifties, the Cracow Department of SEP, similarly as other Departments in Poland, was faced with the organizational crisis. At the end of 1959, the number of factory circles dropped to 20 and the number of the members was equal to 706. As a result of organizational efforts of the members of the Board in 1959, the Cracow Department gained first 7 collective members what constituted a reference to the tradition from the inter-war period. They included (the sequence of submitting): Power Plant Cracow-Outside Territory, Management of the Post Office and Telecommunication District, Cracow Factory of Cables, Enterprise of Electrical Work ELECTROMONTAŻ, Plant for Construction of Electrical Network ELBUD, Cracow Electronic Plant TELPOD and Power Plant SKAWINA.

At the breakdown of 1961, 5 sections commenced their work: Power, Telecommunication, Electrical Installations and Equipment,

Electric Traction and Nuclear Engineering; in 1964, the Sections of Industrial Power and Electronics were established. They organized meetings and lectures, and first of all, scientific-technical conferences. In the years 1963-1969 there were organized six conferences on electro-engineering problems (in Cracow) and two of them had the international range.

In 1963, the area team of experts was created at the Department; it was changed into Centre of Expertises of SEP in 1983; Roman ASLER had been the manager of the mentioned institution for 24 years.

Also, the activity was commenced in the students' environment. Since 1965, the Department has continuously conducted the competitions for the best diploma thesis in the field of electricity matters for the graduates of Faculty of Electrical Engineering, Automatics, Computer Science and Electronics of AGH. Later on, (since 1981), the mentioned competition included also the graduates of Faculty of Electrical and Computer Engineering of Cracow Technical University. Since 1966, there have been organized the annual competitions for the most active Circle of SEP.

At the end of 1969, the Cracow Department of SEP had 1863 individual members, 22 collective members and 56 factory circles.

In the sixties, a special contribution to the development of the Department was brought by: Roman ASLER, Edward CICHECKI, Karol CHWAŁA, Erazm CIOŁCZYK, Stanisław DEMBICKI, Stanisław DERDA, Stefan GRUSZCZYŃSKI, Apolinary KOWALEWSKI, Janusz KRZYSZTOFOWICZ, Zbigniew NARTOWSKI, Jan STROJNY and Henryk ZIEMNICKI.

Activities of the Department in the period of 1969 – 1998

In 1969 Jan STROJNY became the President of the Department and he played the mentioned function incessantly until 1984.

In the seventies, a considerable animation of the activities of the Department was recorded. A new style of cooperation with the factory circles was introduced – the meetings of the Board

of the Department were organized at the territory of the factories. The activity of the branch sections was increased; until 1980, they organized 22 scientific-technical conferences and many symposia, lectures and technical trips.

In 1971, new Sections were organized at the Cracow Department: Radiotelephony and TV, and Automatics and Measurements; in 1977, the Section of Digital Machines and Systems was established. The outstanding achievements of the Department included organizational preparation of the 19th General Assembly of SEP Delegates (the mentioned event was held in October 1972 in Cracow) and of 4 sections of the Conference, accompanying the Assembly.

In the seventies, a systematic increase in the number of the Department members was recorded. At the end of 1980, the Cracow Department associated 3289 individual members, 56 collective members and 93 factory circles.

The economic and social-political crisis at the beginning of the eighties caused a significant regress of the Department's activity. The interest of the members in the work of the sections and circles declined. In the years 1980-1983, the number of individual members decreased by ca. 20%; some circles became liquidated. The most important task of the Board of the Department was to counteract the mentioned tendencies and gradually restore the belief of the SEP members in the purposefulness of social activity.

During the discussed period – the breakdown of the seventies – a high contribution to work was made by President Jan STROJNY and long-time technical secretary Antoni JUSZCZYŃSKI and Józef CURYŁO, Marek CZERNIEJEWSKI, Erazm CIOŁCZYK, Rudolf FENTON, Henryk KACZMARCZYK, Janusz KŁODOS, Zygmunt KONECKI, Jrzy KWAS, Zbigniew NARTOWSKI, Stanisław NOWAK, Stefan LUCIŃSKI, Stefan OSTAFIN, Longin RATAJEWICZ, Kazimierz SCHULERT, Władysław TENEROWICZ, Zygmunt WITEK and Edmund WOŹNIAK.

In December 1983, on the threshold of its 65 year anniversary, the Cracow Department had 2622 individual members, associated in 89 factory circles and 55 collective members.

Fig. 2. Participants of the occasional meeting of representatives of the Branches - SEP Co-founders in the club room of the NOT Technicians House in Krakow (29.11.1988)



Fig. 3. Participants of the Meeting on the occasion of the Electrician Day 1992 in front of the building of the Faculty of Electrical Engineering, Automatics and Electronics (10.06.1992)



Since 1984, a gradual animation of the activity of the Department had place. The crisis of the beginning of the eighties became practically broken down and even a small increase in the number of the individual members was recorded. At the end of 1988, the Department had 2937 individual members, associated in 84 circles and 54 collective members.

During the discussed period, long-time activists of the Department, Janusz KŁODOS played a function of the President. Most of 12 problem commissions and 9 scientific-technical sections were actively functioning. We may distinguish especially Section of Electrical Installations and Equipment which organized 2 all-country conferences and Section of Digital Machines and Systems which was the organizer of regional computer technology conferences.

In 1987, the solemn celebration of Day of Electrician, as organized annually in June, was inaugurated in the Department. The year 1988 passed to the history of the Department of SEP as the year of agreements. In the mentioned year, the following agreements were concluded: the Agreement with the Department of the Association of Hungarian Electric Engineers (MEE) on the exchange of experiences was concluded in Eger; the agreement between the Department, AGH and OIGE, as specifying the principles of obtaining the qualifying competences of SEP by the students and the agreement concluded with SITG on cooperation in the field of rescuing the Salt Mine in Wieliczka.

In the eighties, we might distinguish the following activists: Stanisław CHĘĆ, Erazm CIOŁCZYK, Janusz KŁODOS, Zygmunt KONECKI, Stefan LUCIŃSKI, Stanisław Ostafin, Stanisław SITEK, Jan STRZAŁKA, Grzegorz SZCZEPANIEC, Zygmunt WITEK and Eugeniusz ZAWADZKI.

In 1989, on the occasion of the Jubilee of the 70th anniversary of the Department, conferences and technical meetings were organized; it worthy to mention also, inter alia, the ceremony of conferring the name of Prof. Roman Podoski to the Complex of Vocational Schools of MPK.

In 1989, to memorize the merits of the founder of SEP and the founder and the first President of the Cracow Department, the Board

of the Department decided to establish the Stanisław Bieliński Medal. During the period up to 1998, more than 140 medals were awarded as the recognition for a special contribution to the development of the Department.

The years 1989-1994 were characterized by deterioration of the conditions of functioning, as being caused by the social-economic crisis and a considerable decline in the number of factory circles and the number of individual and supporting members, especially in the years 1990-1991.

The successive Boards of the Department, managed by Janusz KŁODOS, Stanisław KRECZMAR and again Janusz KŁODOS made the efforts aimed at maintaining the activity of the Department.

It is worthy to emphasize the organizational efforts connected with the celebration of the 70th anniversary of the Department (September 1989), ceremony of 75 years of the Department (October 1994) and General Meetings of Delegates of the Department (April 1990, February 1994 and March 1998). The important events in the life of the Department included organization of the 29th General Assembly of SEP Delegates which was held in on July 3-5, 1998 in the premises of the Congress Centre in Cracow and was linked with the organization of Exhibition and Promotional Seminar: "Innovations in Electrical Engineering".

In the nineties, the following persons were especially involved in the Association's activity: Erazm CIOŁCZYK, Józef CZEKAJ, Barbara FLORKOWSKA, Franciszek GRUSZKA, Henryk KACZMARCZYK, Janusz KŁODOS, Zygmunt KONECKI, Stanisław KRTECZMER, Piotr LECHOWICZ, Zdzisław LEPIARZ, Jerzy OPROCHA, Tadeusz STEFANIK, Jan STRZAŁKA, Henryk STYŁO, Władysław TENEROWICZ, Józefa WOJCIESZAK-POPRAWA and Eugeniusz ZAWADZKI.

Fig. 4. A group of Branch delegates - participants of the XXVII General Congress of SEP Delegates in Kołobrzeg (June 10-11, 1994). From the left: Jan Strzałka, Tadeusz Malinowski (O / Piotrkowski), Henryk Kaczmarczyk, Wiesław Eysymontt (O / Warszawski), Erazm Ciołczyk, Eugeniusz Zawadzki, Zygmunt Konecki, Roman Asler, Piotr Molski, Kazimierz Bisztyga and Janusz Kłodos.



Fig. 5. Chairing the General Assembly of Branch Delegates in 1998. Behind the presidential table from the left: Cyprian Brudkowski (president of SEP), Danuta Prażmowska– Sobota, prof. Romuald Włodek and Janusz Lach.



The major achievements during the decade of 1999 – 2019

Up to 2002, the work of the Department was managed by Janusz KŁODOS; in the years 2002-2010 by Jan Strzałka, in the period of 2010-2014 – Władysław WAGA and again, since 2014 until now, Jan STRZAŁKA has played the function of the President. During the discussed period, the Department demonstrated a high activity. The most important achievements of the mentioned period include:

- The number of individual members is maintained on the fixed level of 1100-1200 persons;
- Stabilization of the number of SEP circles on the level of ca. 35-40;
- The stable number of supporting members (above 30);
- Organization of more than 35 scientific-technical conferences, including 26 meetings of the International Conference of Lightning Protection, attended by almost 200 participants from 30 countries;
- Organization of the celebration of the 80th anniversary of the Department's activity in June 1999, the 85th anniversary in June 2004, the 90th anniversary in June 2009 and the 95th anniversary in June 2014;
- Organization of 25-30 seminars and technical trips annually;
- Carrying out 3 000-7 000 examinations for legal authorization of performing a given job in respect of E (operation) and D (supervision) annually;
- Organization of 25-60 training courses and instructional education annually;
- Financial aid for the considerable number of the members who were found in a difficult random event situation;
- Successful participation of SEP circles in all-country Competitions;
- Organization of annual (since 23 years) Competition: "The best computer program";

Fig. 6. During the Solemn Meeting in the hall of the City of Krakow on the occasion of the 85th anniversary of the O / Kr SEP and the International Electricity Day, Vice President of Krakow Tadeusz Trzmiel (17.06.2004) speaks



Fig. 7. Participants of the XIV Council of Governors of SEP in Krakow for visiting the Salt Mine in Wieliczka (07/09/2013)



- A substantial activity of Students' Circles of SEP which resulted in organization of the 6th Polish Days of a Young Electrician at AGH in 2004, organization of Competitions of the Knowledge of Electricity for the pupils of secondary schools from the territory of Małopolska district (2007-2009) and organization of Cracow Days of Electrical Engineer by the Students' Circle of SEP no. 19 at AGH (2017-2019);
 - Maintaining 30-years' foreign cooperation with MEE Eger and Miskolc (Hungary) and continuation of cooperation with Lvov Department of Association of Electrical Engineers of Ukraine;
 - Maintaining many decades' cooperation with the Nowa Huta Department of SEP and commencing cooperation with the department of Coal Basin;
 - Annual organization of very attractive foreign technical-touristic trips for the activists of the department;
 - Annual organization of Competitions for Diploma Papers at AGH and PK (University of Technology) and successes of graduates of Cracow Technical Universities on the national level;
 - Organization of the 9th Council of the Presidents of SEP (2004) and the 14th Council of the presidents of SEP in Cracow (2013);
 - Organization of annual travel seminars of the members of Qualifying Commissions;
 - Undertaking the organization of sport events in the field of game shooting and skiing, having a local and national range;
 - Co-participation in organization and sponsoring of the Competitions TECHNICIAN OF THE YEAR and the Contest (Olympiad) of Technical Knowledge in the electrical-electronic field;
 - Active participation in the work connected with the organization and development of activity of Małopolska District Chamber of Construction Engineers;
 - Awarding 5 successive activists of the Department with the Distinction of Honorary member of SEP;
 - Development and practical introduction of the Quality Management Scheme in the Department;
 - Obtaining a legal personality by the Department in 2007;
 - Development and publication of the first number of Biographical Dictionary of the Merited Cracow Electrical Engineers (within the frames of the preparation to 90 years of the activity of the Cracow Department of SEP) and the second number of the Dictionary (within the frames of the preparation to the celebration of 100 years of the activity).
- During the recent twenty years, the following persons had the special merits in respect of the association activity: Marek CHRZANOWSKI, Józef CZEKAJSKI, Ryszard DAMIJAN, Barbara FLORKOWSKA, Franciszek GRUSZKA, Barbara JARZYMOWSKA, Henryk KACZMARCZYK, Janusz KŁODOS, Władysław ŁOZIAK, Jerzy OPROCHA, Zbigniew PORADA, Krzysztof EBRO – PROKESZ, Marek REJMER, Zygmunt SALWIŃSKI, Jan SOKOŁOWSKI, Jan STRZAŁKA, Grzegorz SZCZEPANIEC, Władysław TENEROWICZ, Władysław WAGA, Józefa WOJCIESZAK – POPRAWA, Tadeusz WPJSZNIS, Andrzej WYWIJAS and Maria ZASTAWNY.

It should be stressed that during the recent 20 years, a considerable activity was demonstrated by scientific-technical sections, including especially Section of Electrical Installations and Equipment (Chairman Piotr LECHOWICZ, Ryszard DAMIJAN, and Krzysztof WINCENCIK), Energy Section (Chairman Andrzej SIWEK and Zbigniew BISIIEWICZ), Section of Electrical Traction (Chairman Waldemar ZAJĄC) and Electronics Section (Chairman Wiesław ZARASKA).

We should also note the active work of a considerable part of the SEP Circles and namely of: Circle of SEP No. 1 at EP Kraków S.A. (President Zbigniew BISIIEWICZ), Circle of Seniors of SEP No. 7 (President Władysław BARACZ, Czesław KAPOŁKA and Ryszard GROCHOWSKI), SEP Circle No. 13 (President Ryszard STOLARCZYK and Janusz OLEKSA), SEP Circle No. 16 at AGH (President Władysław ŁOZIAK, Marian NOGA and Andrzej BIEN), Students' Circle of SEP No. 19 at AGH (President Mateusz BŁAŻUSIAK, Maciej BURNUS and Arkadiusz JURCZAKIEWICZ), Local Circle of SEP No. 26 in Niepołomice (President Tadeusz GORYCKI and Zdzisław JUREK), Circle of SEP No. 28 (President Bolesław DZIĘGIEL and Jacek BALANA), Circle of SEP No. 56 at MPWiK (Urban Enterprise of Water Pipelines and Sewage System) (President Zygmunt SALWIŃSKI and Piotr MAŁKA), Circle of SEP No. 60 at PGE (President Marian GINDEK, Cezary ŻYRKOWSKI and Przemysław GODZWON), Circle of SEP No. 65 at KEiE (President Tadeusz WOJSZNIS) and Circle of SEP No. 75 at PK (Cracow University of Technology) (President Marek REJMER and Wojciech MYSIŃSKI).

Major achievements of Cracow Department of SEP

The submitted description of more important achievements of Cracow Department of SEP throughout hundred years of its history is an undoubted evidence of incessant high level of its activity.

The position of Cracow Department of SEP in the Association is reflected in the fact of awarding 13 merited activists of the Department with the highest distinction of SEP – Honorary Member of this organization. The following persons were honoured:

- Władysław PRZYBYŁOWSKI, PhD., (the 24th General Assembly of Delegates, [WZD], Gdańsk, 1978),
- Prof. Zbigniew JASICKI (the 25th WZD, Warsaw, 1989),
- Roman ASLER, M.Sc., Eng., (the 26th WZD, Opole, 1990),
- Erazm CIOŁCZYK, MSc., Eng., (the 27th WZD, Kołobrzeg, 1994),
- Prof. Jan MANITIUS (the 27th WZD, Kołobrzeg, 1994),
- Prof. Kazimierz BISZTYGA (the 29th WZD, Cracow, 1998),
- Zygmunt KONECKI, Eng., (the 29th WZD, Cracow 1998),
- Stanisław KRECZMER, PhD., (the 30th WZD, Warsaw, 1999),
- Janusz KŁODOS, MSc., Eng., (the 31st WZD, Zielona Góra, 2002),
- Jan STROJNY, PhD., Eng., (the 33rd WZD, Łódź, 2006),
- Dr Jan STRZAŁKA, Eng., (the 35th WZD, Katowice, 2010)
- Prof. dr. Zbigniew HANZELKA, Eng., (the 38th WZD, Poznań, 2018),
- Władysław WAGA, Eng., (the 39th NWZD [Extraordinary General Assembly of Delegates] , Warsaw, 2019.
- Besides it, Cracow Department of SEP applied for awarding Prof. Zdobysław FLISOWSKI from Warsaw University of Technology with the Distinction of the Honorary Member of SEP (the 36th WZD, Szczecin, 2014).
- The constant items of the programme of work of the Department include:
 - Organization of annual cyclic scientific-technical conferences;
 - Organization of the contests for competing between the factory circles (since 1966);
 - Competitions for the best diploma paper for the students of the Faculty of Electrical Engineering, Automation, Computer Science and Biomedical Engineering of AGH (since 1965) and

Fig. 8. IV Symposium on the History of Electrical Engineering (November 15-16, 2018)



of the Faculty of Electrical and Computer Engineering of Cracow University of Technology (since 1991);

- Co-participation in organizing of the Contest (Olympiad) of Technical Knowledge (since 1975);
- Co-participation in organization of district contests of the Olympiad EUROELEKTRA (since 2016);
- Organization of the competitions for the best diploma paper of the graduates of vocational electrical-electronic schools (since 1981 to 2003);
- The competitions for the best computer program (since 1996);
- New Year's Meeting of Activists and the collective members, supporting SEP (for longer than 35 years);
- Occasional meeting connected with the Day of Electrician (since 1987) and with the International Day of Electricity (since 2002);
- Maintenance and development of the activity of Expertise Centre of SEP;
- Publishing Technical Bulletin of Cracow Department of SEP (since 1996, 73 numbers were published);
- Co-participation in organizing and patronizing the ELEKTRO-ENERGY Fairs within the frames of the Agreement with Chemobudowa Kraków S.A. (1996-2004);
- Training activity and development of foreign cooperation of the Department with Department of MEE Eger and Miskolc (Hungary) and Lvov Department SIEU (Ukraine).
- The meaningful activities of the Cracow Department of SEP include:
 - Distinguishing the teams of SEP in the Competitions of NOT Association for the outstanding achievements in the field of technology in the eighties and nineties of the 20th century,
 - The success of Cracow Circles of SEP in the national contest for competition,
 - The first place in the all-national Competition for the Most Active Department of SEP in 2017 in Group A,
 - Success of Cracow people in all-national competitions for "The best diploma paper" and "The best computer program",
 - Engagement in organization of sport events, covering the whole territory of Poland,
 - Engagement of activists of the Department in the work of the Chief Board of SEP and its agencies and in the work of the Council FSNT NOT in Cracow and MOIIB (Małopolska District Chamber of Construction Engineers),
 - Maintaining a positive financial result of the Department almost in every year.

The diversity of the acting forms of the Cracow SEP member is supported by the figures concerning the years 1989 – 2018 as given below. During the mentioned period, there were organized, inter alia: 105 scientific-technical conferences and symposia, 917

lectures, 337 branch meetings, 531 technical and touristic trips and 329 exhibitions and competitions.

The achievements of the Cracow Department of SEP over 100 years of its existence were possible owing to the engagement of a wide range of activists who received many state, regional and the association distinctions as recognition of their merits. It should be stressed that only in the period of 1998 – 2018, the members of the Cracow Department of SEP were honoured with 5 state awards, 59 HONORIS GRATIA Distinctions, 49 diplomas of the Merited Senior of SEP, 32 Medals of the name of Prof. J. Groszkowski, 86 Medals of the name of Prof. M. Pożaryski, 27 Medals of the name of Prof. S. Fryze, 21 Medals of the name of K. Szpotanski and 25 Medals of the name of A. Hoffmann, 12 Medals of the name of J. Obrąpalski and 5 Medals of the name of M. Doliwo-Dobrowolski. It we should also mention the contribution of the full-time employees of the Office of the Cracow Department of SEP and especially of Iwona Jurecka, Małgorzata Majerczak, Magdalena Czyhak and katarzyna Strzałka-Goluszka.

The discussed achievements of the Department were documented in the systematically conducted Chronicle of the Department and in Monographs or Informative-Historical Bulletins of Cracow Department of SEP, being published every 5 years.

Summing up

In the article, the most important facts and events which had place during 100 years of the history of the Cracow Department of SEP, one of the co-founders of SEP. The most important achievements were highlighted and the persons, who created the history of the Cracow Department of SEP throughout few generations, were mentioned.

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