

The Honourable Committee of the Ceremony

Prof. Tadeusz Szulc	Rector of Agricultural University of Wrocław, Poland
Prof. Andrzej Drabiński	Dean of Faculty of Land Reclamation and Environmental Engineering, Agricultural University of Wrocław, Poland
Prof. Marek Urban	Retired Professor of Agricultural University of Wrocław, Poland
Artur Balazs	Ministry of Agriculture of Poland
Kazimierz Bujakowski	Surveyor General of Poland.
Jan Waszkiewicz	Marshal of Lower Silesian Voivodeship
Witold Krochmal	Voivode of Lower Silesian Voivodeship
Prof. Michał Odlanicki-Poczobutt	Honourable Chair of the Committee of Geodesy of the Polish Academy of Sciences
Prof. Bogdan Ney	Chair of the Committee of Geodesy of the Polish Academy of Sciences
Prof. Józef Beluch	Dean of Faculty of Mining Surveying and Environmental Engineering, University of Mining and Metallurgy, Cracow, Poland
Prof. Zenon Pijanowski	Dean of Faculty of Environmental Engineering and Geodesy, Agriculture University of Cracow, Poland
Prof. Piotr Skłodowski	Dean of Faculty of Geodesy and Cartography, Warsaw University of Technology, Poland
Prof. Ryszard Żróbek	Dean of Faculty of Geodesy and Regional Planning, Warmia and Masuria University, Olsztyn, Poland
Prof. Kazimierz Czarnecki	Chair of Head Office of Polish Geodetic Society
Prof. Stanisław Pachuta	Chair of N-T Group Geodesy, Cartography, Cadastre and Navigation of Polish Academy of Engineering
Konstanty Pietraszko	Chair of Society of Graduates, Faculty of Land Reclamation and Environmental Engineering, Agricultural University of Wrocław, Poland

3. The opening ceremony

The opening ceremony has been organised in Leopoldina Hall of Wrocław's University as the ceremonial session of Senate of the Agricultural University of Wrocław. The Rector of the University prof. Tadeusz Szulc welcomed the participants of the session and read the official letters received from the ministry of Agriculture of Poland — Artur Balazs, Marshal of Lower Silesia Voivodeship — prof. Jan Waszkiewicz and President of the Committee of Scientific Researches — prof. Andrzej Wiszniewski.

The main point of the ceremony was the promotion of prof. Lubomir Włodzimierz Baran from Warmia and Masuria University of Olsztyn, who has been distinguished by the doctor's *honoris causa* title. The honourable doctor's degree has been bestowed on to prof. Baran by the Senate of the Agricultural University of Wrocław as an acceptance of resolution taken by the Board of Department of Melioration and Environmental Engineering, submitted to the Senate by the Dean of the department — prof. Andrzej Drabiński. In Latin text of laudatio, presented by Ewa Krzywicka-Blum as the professor conferring a degree, the scientific and organising accomplishments of prof. Baran has been emphasised:

The fortieth anniversary of the establishing
of the geodetic studies in the Agricultural University of Wrocław
(may 18-20, 2000)

1. *Introduce*

After the end of the Second World War none of the Higher Schools in the newly attached territories of Poland had any geodetic faculty. On the other hand just in Lower Silesia, as well as in the Warmia and Masuria Region, where the percentage share of private farms was the lowest in the country, the agricultural policy of large-scale production forms represented by farming co-operation and state farms could be implemented. Mass-production technologies required right arrangements of agricultural areas. It was the reason why in 1960 the Ministry of Agriculture decided to establish the faculty of "geodesy and agricultural arrangements" as a very new branch of study in the Department of Water Melioration in former Wrocław's Higher Agricultural School.

During the last 40 years many structural changes as well as the ones connected with programmes were undertaken. The very new satellite methods, gathering, processing and facilitation of data using LIS or GIS systems, all these theoretical and applied problems had to be represented in the subjects that had been formerly determined as fundamental for the discipline "geodesy". In 1991, when the whole Polish higher education system was transformed, the geodetic faculties in agricultural universities received the name "geodesy and cartography". It is a reflection of certainty that nowadays the link between these two branches is self-evident: measurements are sources of data which can next be related to "reality" with the use visually organised documentation in accordance with human type of cognition of environment. During the last decade the direction of education has changed responding to the needs of the market and new economic conditions. Students enjoy much more freedom by creation their own studying programmes than ever before. Up to now 2369 graduates have been kept well with Polish society not only as engineers engaged in restructulisation of Lower Silesian agriculture but also in almost all areas of widely understood economy.

2. *The report of the Jubilee*

The Jubilee of the 40th Anniversary of geodetic studies at the Agricultural University of Wrocław consisted of three parts: the Opening Ceremony, the scientific conference and the reunion of graduates.

The Jubilee had a very ceremonial character. The list of members of the Honorary Committee includes representatives of scientific environment, heads of technical societies, members of state and local governments, representants of geodetic and cartographic branches:

Doctorande clarissime

*qui geodaeta probatus technicis satellitaribus
in geodaisia et geodynamica adhibendis
apud omnes viros doctos magna auctoritate flores
ego promotor legitime constitutus
Te Lubomirum Wladimirum Baran
scientiarum technicarum doctorem ingeniarium habilitatum
Universitatis Warmiensis et Masuriensis Allesteniensis
professorem ordinarium
in eadem Universitate Instituti Geodasiae moderatorem
Academiae Rerum Rusticarum et Technicarum Allesteniensis
nomine Michaelis Oczapowski ornatae olim rectorem
Academiae Scientiarum Poloniae socium epistularium
Omnium Gentium pro Geodaisia colenda Associationis socium honorarium
Unionis Geophysicae Americanae (AGU) socium
Associationis Astronomicae Ucrainae socium
Equitis Torquati Cruce Ordinis Poloniae Restitutae honestatum
qui variarum disciplinarum peritis cooperantibus
theoria cum praxi ingeniose coniuncta
de geodaisia fundamentali evolvenda optime meritus est
qui ad continentium regionumque retia delineanda et compensanda
permultum valuisti
qui consiliorum primariorum particeps
ad geodasiae studiorum proposita rationemque formandam
atque ad viros doctos in superiorem ordinem promovendos
ipse magnam vim habuisti
qui suae ipsius scholae doctorum auctor
ad omnes Allestenii et Wratislaviae geodaetas integrandos
plurimum contulisti
ex amplissimi Senatus Academiae Rerum Rusticarum Wratislaviensis
decreto
doctorem honoris causa creo
creatum renuntio
atque doctoris honores, iura et privilegia omnia in te confero
in eiusque rei fidem
hoc diploma
Academiae Rerum Rusticarum Wratislaviensis sigillo insignitum
tibi in manus trado.*



Then doctor *honoris causa* expressed his gratitude to the Senate of Agricultural University of Wrocław and presented the very interesting lecture about contemporary state and future of geodesy, emphasising the contribution of Wrocław's Centre to permanent satellite GPS observations within the framework of EUREF.

The next part of the session consisted of two lectures: Prof. Zofia Więckowicz, co-chair of the Department of Melioration and Environmental Engineering presented the history of geodetic studies in the Agricultural University of Wrocław. Apart from recollection of professors and successive stages of structural transformation of study-programme professor turned her attention towards connection between style of education and regional usability of geodetic and cartographic knowledge.

The confirmation of this thesis is the number of 955 diplomas on the post-graduate studies connected with evaluation of real estates. The very important part of the lecture has been devoted to the scientific results of Wrocław's geodetic environment. Institutional and individual collaboration with foreign and local universities, membership in global and European projects, campaigns, services, creative engagement in some very new methodical as well as instrumental researches - all these elements allow to formulate an assertion that Agricultural University of Wrocław can be included into the few scientific and educational Polish centres of modern geodesy and cartography. Not accidentally a carefully chosen group of top-engineers from Indonesia just here enhanced the modern geodetic and cartographic knowledge.

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The title of the second lecture, given by prof. Stefan Cacoń, was: "Prof. Roman Hlibowicki – organiser of geodetic studies in Agricultural University of Wrocław". Prof. Hlibowicki was educated in the famous geodetic school formed at Technical University of Lwow by professors: Lucjan Grabowski, Kasper Weigel and Władysław Wojtan before the Second World War. His scientific interests were closely connected with water management, agriculture, forest economy, erosion, initiating very fruitful collaboration of Wrocław's geodesists with other scientific as well as technical societies. Professor's activity as the head of the institute, Dean of the Department and vice-rector of the university can be summarised as a continuation of the trends which characterised Lwow's geodetic school: to join theoretical achievements with contemporary needs of regional or even states economy*.

The last, truly touching part of the ceremony in Leopoldina's Hall was official as well as individual congratulations, letters, telegrams, wishes, gifts and flowers handed to doctor *honoris causa*, the Rector of the University, the Dean of the Department and organisers. Closing the session the Rector of the Agricultural University of Wrocław prof. Tadeusz Szulc invited all guests to the building of the Department of Melioration and Environmental Engineering for commemoration of prof. Roman Hlibowicki by unveiling his relief-portrait and giving his name to the greatest geodetic auditorium. Professor's wife Maria as well as professor's daughter Barbara and her husband participated in the ceremony. Then honourable guests were entertained in the university club where a sequel of presentations, wishes and congratulations took place.

* Detailed description of the Opening Ceremony supplemented by prof. Baran's presentation was published in [1], as well as both lectures given by prof. Więckowicz and prof. Cacoń [2]

4. *The scientific conference*

In the afternoon plenary session of the Scientific Conference: "Actual Problems of Geodesy and Cartography" started. Six papers were presented by Polish as well as foreign authors. The conference was accompanied by an exposition prepared by professional companies. In the evening most guests met at a ceremonial banquet in the splendid Museum of Architecture with the local authorities.

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The second day of the Jubilee was divided into two parts: first one connected with the conference and the second one devoted to the reunion of graduates. Two morning and one afternoon sessions were organised as three simultaneous sessions. Summarising the conference prof. Stefan Cacoń, the head of organising committee and member of scientific committee paid tribute to the participants of debates for very active and constructive discussion, which enabled the authorities to formulate some important conclusions. All 46 presented papers prepared by 70 authors will be published in "Zeszyty Naukowe Akademii Rolniczej we Wrocławiu".

5. *Meeting of graduates*

The link joining the conference and meeting of graduates was the Mass dedicated to deceased members of Wrocław's geodetic society. The service was celebrated by Canon Stanisław Orzechowski the famous academic and solidarity leader, who was even mentioned by Norman Davies in his book "God's playground". In the evening about 300 graduates participated in the social evening, which lasted to early morning next day. Personal contacts, exchanges of memories and emotions, wishes, congratulations, toasts, singing, dancing, laugh and tears, all these composed an unforgettable atmosphere.

On the third day of the Jubilee a meeting of graduates and the department's authority as well as the team of research workers of the faculty of geodesy and cartography took place. The whole regional geodetic environment participated in the session. The discussion concerning actual condition of the branch was multilateral. The following points were mentioned as the cause of difficulties in educational and professional activities:

- development of the geodetic as well as cartographic knowledge because of the necessity of including it in study-programme and different, new methods and technologies;
- enlargement of disciplines using modern geodetic and cartographic technologies without precise establishment of required competency for contractors; preference of applying only the most fashionable solutions can often limit possible achievements; on the other hand the geodesists and cartographers should know each new field, where geodesy or cartography could be applied;
- lack of not precisely determined legislated regulations related to accessibility to the geodetic and cartographic market.

After the last session of the Jubilee the participants visited the exposition "40 years of geodetic studies at Agricultural University of Wrocław", where many documents, photographs, scientific papers and students' works were gathered.

6. *Summing up the ceremony*

As it was mentioned, the report of the Jubilee has already been published [1], [2] so in this report the author has to confine on formulating her personal impression as the chair of the organising committee and the only active research worker who has been engaged at the geodetic faculty in Agricultural University of Wrocław since its establishing. Except for prof. Marek Urban, who has already retired, nobody from the professors is alive. Today the team of professors consists of pupils of the former masters, whose pupils are now assistants.

Distinction of prof. Lubomir Włodzimierz Baran by the highest academic dignity can be recognised as a symbolic crowning of integration of scientific environments of geodesists and cartographers of Wrocław and Olsztyn. These connections appeared not only long standing but also truly fruitful, as it has been anticipated by the initiators of geodetic studies: prof. Roman Hlibowicki, prof. Anna Łoś and prof. Witold Sennisson. It is evident that both: research workers and graduates of the geodetic departments had significant impact on the development of economy in the territories attached to Poland after the Second World War.

If it was not true, would the elite of Polish as well as provincial geodetic and cartographic environments have participated in the Jubilee? It is a great honour for the organisers to be able to include in the guests of the Ceremony such personalities as the Chair of the Committee of Geodesy of the Polish Academy of Sciences, prof. Bogdan Ney, Chair of the Main Office of Geodesy and Cartography — surveyor General of Poland — Kazimierz Bujakowski and Vice-President of the Main Office of Geodesy and Cartography — Krzysztof Mączyński, the Chair of Department of Ground Economy in the Ministry of Agriculture — Jan Bielański, Vice-Governor of the Lower Silesian Voivodeship — Andrzej Tatuśko, Vice-Speaker of Provincial Parliament of Warmia and Masuria Voivodeship — Andrzej Ryński, Chair of the Polish Committee of the International Cartographic Association — prof. Andrzej Makowski, Chair of N-T Group Geodesy, Cartography, Cadastre and Navigation of Polish Academy of Engineering — prof. Stanisław Pachuta, Chair of Head Office of the Polish Geodetic Society — prof. Kazimierz Czarnecki, Chair of the Polish Cartographic Society — Joanna Bac-Bronowicz, Director of the Office of Rural Areas Development in the Marshal's Office of Lower Silesia — Alina Majgier and Surveyor General in the same Office — Robert Pajkert, Director of the Department of Real Estate of Geodetic and Cartographic Supervision of Lower Silesian Voivodeship's Office — Marek Kończak.

The ceremonial session of the Senate of the Agricultural University of Wrocław was distinguished by the attendance of four delegations of the foreign universities, collaborating with the Agricultural University of Wrocław. There were delegations from Technical University of Hannover — chaired by prof. Hans Pelzer and Technical University of Dresden with prof. Siegfried Maier, from Technical University of Brno chaired by prof. Zdenek Nevosad and from Agricultural University of Jeglava — with prof. Juris Skujans.

As especially significant can be perceived the presence of all Polish departments with geodetic and cartographic faculties, as well as the dean of the Department of Navigation of the Maritime University of Szczecin — prof. Andrzej Banachowicz.

Apart from already mentioned rectors: prof. Ryszard Górecki and Tadeusz Szulc, also Vice-Rector of the Polish Naval Academy of Gdynia — prof. Wojciech Kaniowski and representatives of central scientific institutes: prof. Janusz Zieliński from the Space Research Centre of Polish Academy of Sciences and prof. Andrzej Sas-Uhrynowski from the Institute of Geodesy and Cartography in Warsaw.

The list of honourable guests could be much longer. There are many persons but should be mentioned in this report two retired professors: Witold Sennisson from Olsztyn and Marek Urban from Wrocław who were very engaged in the organisation of geodetic studies in the frame of agricultural universities, as well as the very special guest: the families of prof. Hlibowicki and prof. Baran.

Many congratulations and wishes were sent from the persons who could not participate in the Ceremony. It must be emphasised that prof. Baran received the congratulating letters from the President of the Polish Academy of Sciences — prof. Mirosław Mossakowski, Chair of the Committee of Scientific Researches — Ministry prof. Andrzej Wiszniewski, Honorary Chair of the Committee of Geodesy of the Polish Academy of Sciences — prof. Michał Odlanicki, Chair of the Central Commission for the Scientific Titles and Degrees — prof. Janusz Tazbir, Chair of the Department of Geo — and Mining Sciences — prof. Michał Szulczewski, prof. Adam Chrzanowski from the University of New Brunswick and many other representatives of institutions and personalities. Of course the Jubilee was an occasion to express congratulations and wishes for the received gifts such as the Great Atlas of Poland from the Surveyor General of Poland, the aero-photo-documentation of the great flood from Lower Silesian authorities and the Cubic Electrotap meteo-meter from the delegation of the Technical University of Hannover.

The Jubilee of geodesy and cartography in the Agricultural University of Wrocław was the unusual occasion to host so many honourable persons at the very special moment of the official celebration of the Millennium of Wrocław.

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