On the history of our journal: 50th anniversary or 137th ordinary year of publication?

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The evolution of titles of mathematical journal Visnyk of Kharkiv University during period 1879-2015 is presented. This evolution reflects the changes of names of the University where the journal was published. We also discover and discuss several ways of numbering during the history and list names of members of Editorial Board during last 50 years.
Keywords: Visnyk, mathematical journal, Kharkiv University.

Резуненко О.В. **Щодо історії нашого журналу: 50-річний ювілей чи звичайний 137-ий рік видання?** Наведена еволюція назв математичного журналу Вісник харківського університету за період 1879-2015. Ця еволюція відображає зміни назв університету де видається журнал. Також ми розкриваємо та обговорюємо декілька способів нумерації впродовж всієї історії та наводимо призвища членів редакційної колегії за останні 50 років.
Ключові слова: Вісник, математичний журнал, Харківський університет.

Резуненко А.В. **Об истории нашего журнала: 50-летний юбилей или обычный 137-ой год издания?** Приводится эволюция названий математического журнала Вестник харьковского университета за период 1879-2015. Эта эволюция отображает изменения названий университета, где издается журнал. Также мы раскрываем и обсуждаем несколько способов нумерации в течении всей истории и приводим имена членов редакционной коллегии за последние 50 лет.
Ключевые слова: Вестник, математический журнал, Харьковский университет.

2010 Mathematics Subject Classification: 97A30, 01A55, 01A60, 01A61.

1. Introduction

One of the goals of this note is to explain the evolution of titles of mathematical journal Visnyk of Kharkiv University. The way of numbering was also changed several times during period 1879-2015.
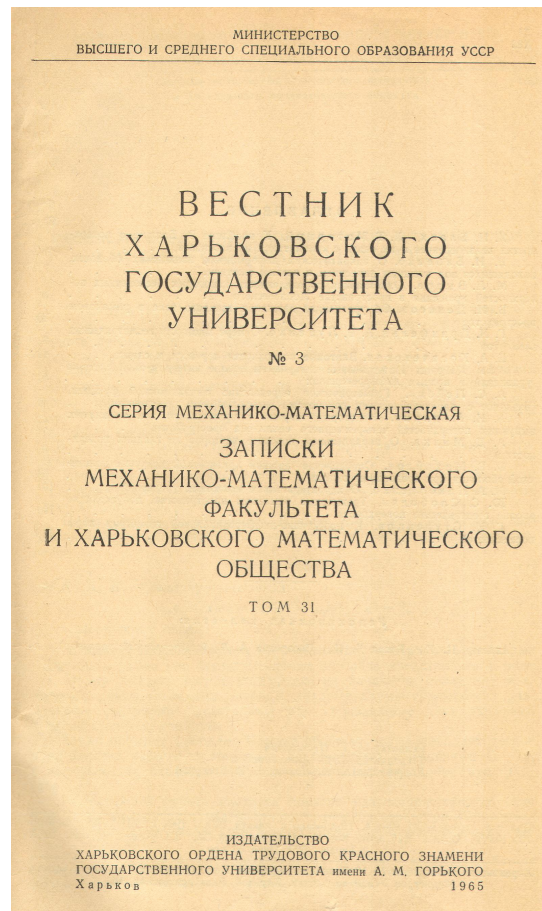
Although the titles were changed mainly due to evolution of names of our University, the way of numbering should be explained separately. We do it in the current issue since starting this year we will keep just the number of volumes. Another goal is to list names of mathematicians who involved in publishing process (editors).

The previous issue has the following main title: 'Visnyk of V.N.Karazin Kharkiv National University, number 1133; Ser. Mathematics, Applied Mathematics and Mechanics, (2014)' (original 'Вісник Харківського національного університету імені В.Н.Каразіна, № 1133; Серія Математика, прикладна математика і механіка, (2014)'). The number '1133' indicates the sequence number of issues of the *family* of independent journals under the family title 'Visnyk of V.N.Karazin Kharkiv National University'. The family consists of 22 series (e.g., 'Physics', 'Radiophysics and Electronics', 'Biology', etc.) where one of the series has title 'Mathematics, Applied Mathematics and Mechanics'. This way of numbering was used during 1965-2014 and most issues of our (mathematical) series had remark 'Founded in 1965' on its cover-pages. This may be considered as a proof that our journal is 50 years old. To verify this version one could find the issue dated by 1965 and check if it has number one or not. One could see 'number 3/ volume 31' on the title page.

Remark 1. *We should emphasize that words 'volume', 'number', 'issue' were mainly used completely independently. The exception is the period of 1887-1918 when volumes were composed by several issues.*

The precise title is 'Visnyk of Kharkov State University, Number 3; Ser. Mechanics and Mathematics' / 'Communications of Department of Mechanics and Mathematics and Kharkov Mathematical Society, vol. 31, (1965)' (original 'Вестник Харьковского государственного университета, № 3, Серия механико-математическая' / 'Записки механико-математического факультета и Харьковского математического общества, том 31, (1965)'). See the first scanned image below. The precise title of the second issue is 'Visnyk of Kharkov University, Number 14; Ser. Mechanics and Mathematics' / 'Communications of Department of Mechanics and Mathematics and Kharkov Mathematical Society, vol. 32, (1966)' (original 'Вестник Харьковского университета, № 14, Серия механико-математическая' / 'Записки механико-математического факультета и Харьковского математического общества, том 32, (1966)'). The third issue were numbered as 'Number 26/ volume 33, (1967)'. After two years of break, the publishing was continued with 'number/issue (year)' way of numbering and no reference to the Kharkiv Mathematical Society on the title page. It was 'number 53/issue 34 (1970)'. This way of numbering was used up to 'number 221/issue 46 (1981)'. As we can see, the number of a volume was substituted by the number of the corresponding issue. Unfortunately, starting 1982, the indication of 'issue' (as previously 'volume') was also interrupted and later continued with a gap. The general numbering from 'number 230 (1982)' to 'number 1133 (2014)' was dropped as well starting 2015. It was not the decision of our editorial board, but

the one of authorities of the University. As a result, preparing the current issue we were faced to the question of how to indicate issues. In fact, all three ways 'volume/number/issue, (year)' were discarded.

МИНИСТЕРСТВО
ВЫСШЕГО И СРЕДНЕГО СПЕЦИАЛЬНОГО ОБРАЗОВАНИЯ УССР

ВЕСТНИК
ХАРЬКОВСКОГО
ГОСУДАРСТВЕННОГО
УНИВЕРСИТЕТА

№ 3

СЕРИЯ МЕХАНИКО-МАТЕМАТИЧЕСКАЯ

ЗАПИСКИ
МЕХАНИКО-МАТЕМАТИЧЕСКОГО
ФАКУЛЬТЕТА
И ХАРЬКОВСКОГО МАТЕМАТИЧЕСКОГО
ОБЩЕСТВА

ТОМ 31

ИЗДАТЕЛЬСТВО
ХАРЬКОВСКОГО ОРДЕНА ТРУДОВОГО КРАСНОГО ЗНАМЕНИ
ГОСУДАРСТВЕННОГО УНИВЕРСИТЕТА имени А. М. ГОРЬКОГО
Харьков   1965

To make decision I revised a number of issues available in our library to see the full evolution of the title/number tradition. Some selected titles and comments are presented below.

We briefly discussed above the history starting 1965. The issue dated 1964 was 'Scientific Communications. Vol. CXXXVIII / Communications of Department of Mechanics and Mathematics and Kharkov Mathematical Society. Vol. XXX, Series 4 (1964)' (original 'Ученые записки. Том CXXXVIII' / 'Записки механико-математического факультета и Харьковского математического общества. Том XXX, Серия 4 (1964)').

Remark 2. *As we described above, it was rather typical to use two subtitles for an issue. The mentioned issue published in 1964 had the first subtitle 'Scientific Communications'. The sequence of issues grouped under this subtitle was established in 1935. Initially issues of this group were the mixture of papers from different disciplines. Later the group was split into several specialized series.*

Going back in time we see that the titles were changed several times but the numbering (of the mathematical series) leads to Volume I dated by 1927. To be precise the title is (original French/Russian) 'Communications de la Société mathématique de Kharkow. Série 4. Tome I. [Сообщения Харьковского математического общества. Четвертая серия. Том I.']. See the second scanned image below. Fortunately this issue (1927) contains the explanation what does 'Série 4' mean and when the journal was established. 'The first series constitute issues 1-18. 1879-1887. The second series constitutes volumes I-XV by 6 issues each and volume XVI by issues 1-2, 1887-1918. The third series is Scientific Communications of research Chairs, mathematical department; under edition by S.M.Bernstein, I, 1924; II. 1926 and III (in press).' (original 'Первую серию составляют выпуски 1-18. 1879-1887. Вторую серию составляют том

I-XV по 6 вып. и XVI вып. 1-2, 1887-1918. Третьей серией являются Ученые записки научно-исследовательских кафедр, отдел математический; под ред. С.М.Бернштейна, I, 1924; II. 1926 и III (печатается)'). As a concluding remark we could say that we currently continue the numbering of the fourth series (started in 1927), while the very first issue appeared in 1879 and was mainly connected to the Kharkiv Mathematical Society and our University. Since 1879 the journal contains a number of mathematical papers as well as several notes on the history of Kharkiv University and Mathematical Society (see e.g., [1, 2]). It is difficult to list all famous authors who published during 137 years history of the journal. We just mention that the celebrated Stability theory has been originally published by Alexander Lyapounov in a sequence of articles in our journal (see more details e.g., [4]). It was published in 1892 as a separate edition [3] by the Kharkiv Mathematical Society (later in 1908, this edition was translated to French).

We should mention another mathematical journal published in Kharkiv 'Journal of Mathematical Physics, Analysis, Geometry' (formerly "Matematicheskaya Fizika, Analiz, Geometriya', 1994 - 2005). As our series, this journal continues the publishing tradition of the Kharkiv Mathematical Society.

Our Editorial Board traditionally sends issues to many libraries. It is interesting to note that the issue [5] in 1929 (Series 4, Vol.III) contains the list of 55 journals (Editorial Boards) which receive the printed Communications (43 journals are foreign).

More information one can find on the web-pages of our journal (currently vestnik-math.univer.kharkov.ua). All recent articles (full-text) and some scanned information on older issues are available there.

2. List of titles and editors

A. Below we list titles of *mathematical* journals/issues published by Kharkiv University (in chronological order). These titles were originally written in Russian or in French & Russian or in French & Ukrainian & Russian or in Ukrainian. Title pages of almost all issues in 1879-1940 contain titles of the journal in French. In issues where French titles are presented we do not translate them to English. We do not claim that the list below is complete since not all issues are available to check.

A1. 1879-1887. 'Communications and protocols of meetings of the Mathematical Society at Imperial Kharkov University' (original 'Сообщенія и протоколы заседаній Математическаго общества при Императорскомъ Харьковскомъ Университете'.

A2. 1887-1918. Original 'Communications de la Société mathématique de Kharkow. 2-е série. Tomes I-XVI. [Сообщенія Харьковскаго математическаго общества. Вторая серія. Тома I-XVI.]'

A3. 1927, 1928. Original 'Communications de la Société mathématique de Kharkow. Série 4. Tomes I-II. [Сообщения Харьковского математического общества. Четвертая серия. Тома I-II.]'

A4. 1929-1932. Original 'Communications de la Société mathématique de Kharkow et de l'Institute des sciences mathématiques de l'Ukraine. Série 4, t.III. [Записки Харьківського математичного товариства та Українського Інституту математичних наук. Серія 4, т. III.]'.

A5. 1933. Original 'Communications de la Société mathématique de Kharkow et de l'Institute des sciences mathématiques et mécaniques de l'Ukraine. Série 4, t.VI. [Записки Харьківського математичного товариства та Українського науково-дослідного інституту математики й механіки. Серія 4, т. VI.]'.

A6. 1934-1935. Original 'Communications de la Société mathématique de Kharkow et de l'Institute des sciences mathématiques et mécaniques de l'Université de Kharkoff. Série 4, t.VII-X. [Записки Харьківського математичного товариства та Українського науково-дослідного інституту математики й механіки при Харківському державному університеті. Серія 4, т. VII-X]'.

A7. 1936. Original 'Communications de l'Institute des sciences mathématiques et mécaniques de l'Université de Kharkoff et de la Société mathématique de Kharkoff . Série 4, t.$XIII$. [Записки науково-дослідного інституту математики й механіки при Харківському державному університеті та Харківського математичного товариства. Серія 4, т. $XIII$]'.

A8. 1938. Original 'Communications de l'Institute des sciences mathématiques et mécaniques de l'Université de Kharkoff et de la Société mathématique de Kharkoff . Série 4, t.XV_1. [Записки науково-дослідного інституту математики й механіки і Харківського математичного товариства. Серія 4, Том XV_1]'.

A9. 1938, 1940, 1948-1950. Original 'Communications de l'Institute des sciences mathématiques et mécaniques de l'Université de Kharkoff et de la Société mathématique de Kharkoff. Série 4, t.XV_2. [Записки научно-исследовательского института математики и механики и Харьковского математического общества. Серия 4, т. XV_2]'.

1940: (the same title) Series 4, Vols. XVI-XVIII. 1948: (the same) Series 4, Vol. XIX. 1949: (the same) Series 4, Vol. XXI. 1950: (the same) Series 4, Vols. XX, XXII.

A10. 1956. 'Scientific Communications. Vol. LXV / Communications of Mathematical branch of Department of Physics and Mathematics and Kharkov Mathematical Society. Vol. XXIV, Series 4 (1956)'. (Original 'Ученые записки. Том LXV // Записки математического отделения физико-математического факультета и Харьковского математического общества. Том XXIV. Серия 4').

1957: (the same) Vol. XXV. Series 4. 1960: (the same) Vol. XXVI. Series 4.

A11. 1964. 'Scientific Communications. Vol. CXXXVIII / Communications of Department of Mechanics and Mathematics and Kharkov Mathematical Society. Vol. XXX, Series 4 (1964)' (original 'Ученые записки. Том CXXXVIII' / 'Записки механико-математического факультета и Харьковского математического общества. Том XXX, Серия 4 (1964)').

A12. 1965-1967. 'Visnyk of Kharkov State University, Ser. Mechanics and Mathematics' / 'Communications of Department of Mechanics and Mathematics and Kharkov Mathematical Society' (original 'Вестник Харьковского

государственного университета, Серия механико-математическая' / 'Записки механико-математического факультета и Харьковского математического общества'): Number 3 / Vol.31 (1965); Number 14 / Vol.32 (1966); Number 26 /Vol.33 (1967).
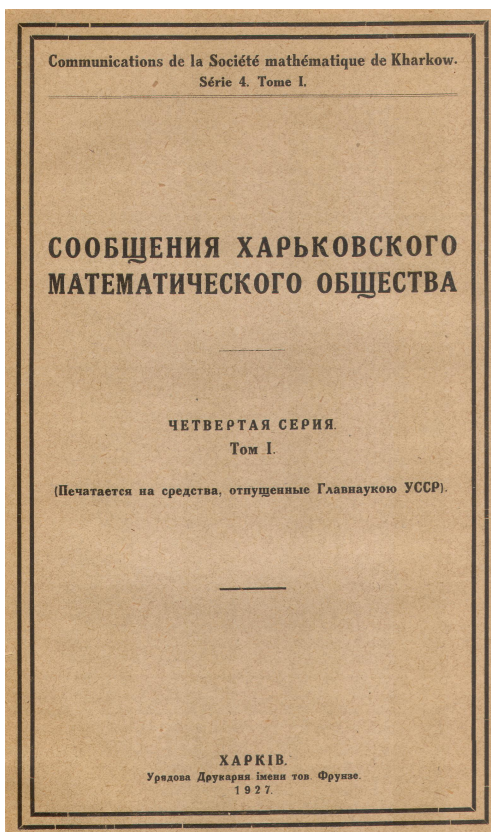
A13. 1970. 'Visnyk of Kharkov University, Number 53, Ser. Mechanics and Mathematics, issue 34' (original 'Вестник Харьковского университета, № 53, Серия механико-математическая, выпуск 34').

A14. 1973. 'Visnyk of Kharkiv University, Mathematics' (original 'Вестник Харьковского университета, Математика'). Number 93 / Issue 38 (1973).

A15. 1974-1976. 'Visnyk of Kharkiv University, Mathematics and Mechanics' (original 'Вестник Харьковского университета, Математика и механика'). Issues: Number 113 / Issue 39 (1974); Number 119 / Issue 40 (1975); Number 134 / Issue 41 (1976).

A16. 1982. 'Visnyk of Kharkiv University, Mechanics, Control theory and Mathematics physics' (original 'Вестник Харьковского университета, Механика, теория управления и математическая физика'). Number 230 (1982).

A17. 1984. 'Visnyk of Kharkiv University, Mechanics, Mathematics and Control processes' (original 'Вестник Харьковского университета, Механика, математика и процессы управления'). Number 254'84 (1984).

A18. 1985. 'Visnyk of Kharkiv University, Control problems and Mechanics of continuous media' (original 'Вестник Харьковского университета, Проблемы управления и механики сплошных сред'). Number 277'85 (1985).

A19. 1989. 'Visnyk of Kharkiv University, Dynamical systems' (original 'Вестник Харьковского университета, Динамические системы'). Number 334'89 (1989).

A20. 1977, 1978, 1979, 1980, 1981, 1991, 1992. 'Visnyk of Kharkiv University, Applied Mathematics and Mechanics' (original 'Вестник Харьковского университета, Прикладная математика и механика').

Numbers / Issues : 148 / Issue 42 (1977); Number 174 / Issue 43 (1978);

Number 177 / Issue 44 (1979); Number 205/ Issue 45 (1980); Number 221/ Issue 46 (1981); Number 361'91 (1991); Number 361'92 (1992).

A21. 1999. 'Visnyk of Kharkiv University, Ser. Mathematics, Applied Mathematics and Mechanics' (original 'Вісник Харківського університету, Серія 'Математика, прикладна математика і механіка'). *Numbers* : 444 (1999); 458 (1999).

A22. 2000-2003. 'Visnyk of Kharkiv National University, Ser. Mathematics, Applied Mathematics and Mechanics' (original 'Вісник Харківського національного університету, Серія 'Математика, прикладна математика і механіка'). *Numbers* : 475 (2000); 514 (2001); 542 (2002); 582 (2003).

A23. 2003-2015 (present). 'Visnyk of V.N.Karazin Kharkiv National University. Ser. Mathematics, Applied Mathematics and Mechanics' (original 'Вісник Харківського національного університету імені В. Н. Каразіна, Серія 'Математика, прикладна математика і механіка').

Numbers : 602 (2003); 645 (2004); 711 (2005); 749 (2006); 790 (2007); 826 (2008); 850 (2009); 875 (2009); 922 (2010); 931 (2010); 967 (2011); 990 (2011); 1018 (2012); 1030 (2012); 1061 (2013); 1081 (2013); 1120 (2014); 1133 (2014).

B. Editors-in-Chief starting 1964:

N.I. Akhiezer (1964, 1966, 1967, 1970-1975), A.V. Pogorelov (1965), I.E. Tarapov (1976-1982, 1984-1989, 1991, 1992), N.A.Khizhnyak (1983), V.I. Korobov (1999-2015, present).

C. Associate Editors (members of Editorial Board) are indicated during 1964-2015:

N.I. Akhiezer (1964-1967, 1970-1975), V.V. Baranov (1976-1982, 1984, 1985), Ya.P. Blank (1965), Borisenko A.A (1999-2015), Chudinovich I.Yu (1999-2010), I.D. Chueshov (1999-2015), A. Dabrowsky (2011-2015), G.A. Dombrovsky (1992), S.Yu. Favorov (1999-2015), Yu.V. Gandel (1999-2015), A.F. Grishin (1999-2014), Yu. Karlovich (2011-2015), V.I. Korobov (1976-1982, 1984-1989, 1991, 1992, 1999-2015), Yu.I. Lubich (1976-1982, 1984, 1985, 1989, 1991), V.A. Marchenko (1964-1967, 1973-1982, 1984, 1985, 1989, 1991, 1992), N.F. Patsegon (2003-2015), A.V. Pogorelov (1964-1967, 1973-1975), A.V. Rezounenko (1999-2015), A.G. Rutkas (1992, 1999-2015), G.M. Sklyar (1999-2015), V.A. Sherbina (1999-2015), O.P. Soldatov (2011-2015), I.E. Tarapov (1976-1982, 1984-1989, 1991, 1992, 1999-2002), A.A. Yantsevich (1970-1975, 1999-2015), Zolotarev V.O. (1999-2015).

D. Responsible Editors are indicated starting 1965: A.V. Pogorelov (1965), N.I. Akhiezer (1966, 1967), A.A. Yantsevich (1970-1975), A.P. Marinich (1976-1982, 1984-1989, 1991, 1992, 1999), L.D. Stepin (1983), A.V. Rezounenko (1999-2015, present).

We should also mention the technical help in preparation of final (ready-to-print) versions of issues provided by S.V.Dmitrieva (1999-2009) and N.V.Makarova (2010-2015).

E. The total number of *mathematical articles* published during 1965-2015 is 704.

F. The presence of abstracts: 1970-2015. The presence of abstracts in *three languages* (English/Ukrainian/Russian): 2009-2015, present.

G. Full-texts PDF available online (open access): 2008-2015, present.

H. Indexed/Abstracted in Zentralblatt MATH: 1985-2015, present. Full title in Zentralblatt MATH: "Visnyk Kharkivs'kogo Universytetu. Seriya Matematyka, Prykladna Matematyka i Mekhanika". Short Title: "Visn. Khark. Univ., Ser. Mat. Prykl. Mat. Mekh." Documents indexed: 317 publications since 1999. Predecessor: "Vestnik Khar'kovskogo Universiteta"(documents indexed: 67 publications since 1985).

I. The print publication has been recorded permanently in the ISSN Register: ISSN 2221-5646.

J. Current **web-page:** http://vestnik-math.univer.kharkov.ua/ .

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2. N.I. Akhiezer, Kharkiv Mathematical Society // Scientific Communications. Vol. LXV / Communications of Mathematical branch of Department of Physics and Mathematics and Kharkov Mathematical Society. Vol. XXIV, Series 4. – 1956, P. 31–39, (in Russian).

3. A.M. Lyapunov, The general problem of the stability of motion. 1892. Kharkov Mathematical Society, Kharkov, 251 p. (in Russian). [Original 'Общая задача объ устойчивости движенія. Разсужденіе А.Ляпунова. Изданіе Харьковскаго Математическаго Общества. Харьковъ. Типографія Зильберберга. 1892.'].

4. V.I.Korobov, A.M. Lyapunov is a creator of the modern stability theory // Visnyk of V.N.Karazin Kharkiv National University. Ser. Mathematics, Applied Mathematics and Mechanics. - 2007. – **790**. – P. 4–40, (in Russian).

5. Liste des publications périodiques avec lesquelles la Société mathématique de Kharkoff échange ses Communications // Communications de la Société mathématique de Kharkow et de l'Institute des sciences mathématiques de l'Ukraine. Série 4, t.III. 1929, P. 186–187.