

The first 25 years

- 1976
 - RT_2^3 implies all of PA (Paris- Kirby);
 - indicator method and the first few unprovable statements (Paris);
- 1977
 - the Paris-Harrington Principle;
- 1978
 - J. Ketonen's first **unpublished** manuscript;
- 1979
 - Erdős-Mills paper;
 - K. McAloon's iterations of the Paris-Harrington Principle;
 - G. Mills' unprovable statement about trees;
- 1980
 - the final Indicator Theory paper by J.Paris;
 - H. Friedman's discovery of unprovability of Kruskal's theorem;
 - Friedman-McAloon-Simpson Statement (unprovable in ATR_0);
- 1981
 - Ketonen-Solovay: "Rapidly growing Ramsey functions" in *Annals of Mathematics*;
 - H. Friedman's first ZF-unprovable statement;
 - Pudlak's Principle. **Unpublished.**
 - L. Kirby's flipping principle;
 - J. Ketonen's second **unpublished** manuscript (the analogy between PH and large cardinals expanded);
- 1982
 - Independence results by P.Clote and K.McAloon;
 - Hydra and Goodstein sequences by J. Paris and L. Kirby;
 - Shelah's paper "On logical sentences in PA";
 - Kochen-Kripke ultrapower construction;
- 1983
 - Cichon's proof for Goodstein's sequences;
- 1984
 - J.Paris' manuscript on Kanamori-McAloon Principle, **unpublished.**
- 1985
 - J-P. Ressayre's statement, independent of ZF;
 - the paper by W. Buchholz and S. Wainer;
- 1986
 - Kanamori-McAloon Principle;
 - Friedman-Robertson-Seymour study of unprovability of the Graph Minor Theorem;
 - Loebel-Matushek theorem reducing Kruskal to hydras;
 - the Hajek-Paris paper;

- 1987 • Buchholz' Hydra (can't be killed in $\Pi_1^1 - CA + BI$);
- 1988 • Shelah's bound in van der Waerden's theorem
and Hales-Jewett theorem;
- 1990 • Loebl-Nesetril theorems (combinatorial approach to PH);
- 1991 • Z. Ratajczyk's theorems about iterations of PH in terms of
transfinite induction principles;
• T Arai's "Slow growing analogue to Buchholz' proof";
- 1992 • Sommer's thesis;
- 1993 • the book by P. Hajek and P. Pudlak appears;
- 1996 • results by J. Avigad and R. Sommer (model-theoretic
approach to ordinal analysis);
- 1997 • Hamano-Okada theorems;
- 1998 • Bigorajska-Kotlarski sharp results on partitioning α -large sets;
• H. Friedman's paper in *Annals of Mathematics*;
- 1999 • L. Beklemishev's worms ('Every Worm Dies' principle);
- 2000 • A. Weiermann's Theorem on unprovability threshold for PH;
- 2001 • Kotlarski's book manuscript first circulated; **Unpublished.**
• Internal tree embeddings by H. Friedman;
• Weiermann's Theorem on unprovability threshold for Kruskal's
Theorem.

Many more results since 2001.