the Numbers

The Newsletter of the Statistical Analysis Committee of the Society for American Baseball Research

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June, 1991

COMMITTEE NEWS

SABR Convention in New York. As you all know, the 1991 SABR Convention is scheduled for the end of June in New York City. The Statistical Analysis Committee is scheduled to meet Saturday morning at 8:30 AM. If you are planning to be in New York for the Convention, please try to attend the

committee meeting.

I hope to publish again this year an issue based on presentations made at the convention. Unfortunately, I will not be at the convention, so I must rely on those of you who are there to identify presentations which embody statistical analysis and which will be of interest to the members of the committee. If you hear a presentation which you thing should be more widely disseminated, please make a note of the author and title, write a brief (one-paragraph) description of it, and let me know. I'll get in touch with the author from there.

In addition to the normal convention activities, there will be a series of meetings for committee chairs, beginning Thursday evening (June 27), to discuss a number of issues surrounding the resources available to committees and the role of committees in SABR. The specific issues to be discussed in these

meetings are as follows:

1. Who shoould be entitled to belong to SABR Research committees and thus receive newsletters and mailings from committees? Should committee membership be open to non-members? If so, should these non-members be charged a fee for

committee membership?

Should all committee members be charged a fee to cover duplication and mailing of committee newsletters and research materials? More generally, should committees charge a small membership fee in addition to regular SABR membership dues? If so, should this fee be

waived for those regularly contributing research to the committee?

- 3. Should committee newsletters be sent first to the SABR central office for duplicating and bulk mailing, thus cutting costs and eliminating these time-consuming tasks for committee chairpersons?
- 4. Should all committee newsletters be restricted to some kind of similar format (especially incorporating cost-cutting measures--like using white paper only and maintaining a certain page limit)?
- 5. Should committees be free to raise funds of their own (as regionals do), and if so, what approval must be obtained in advance from the Executive Director and/or SABR President? Should committees produce or contract to publish any books or documents without approval of the Publications Director and central office?
- 6. What should be the term of office for a committee chairperson, what role should committees play in selecting their own chairs, and what policy should be adopted to train new chairs before they take over? Should each committee have a co-chair or assistant chair who rotates into the chair's position after a specified period of time?
- 7. What specifically is the mission of SABR research committees and how do they fit into the scope of SABR at large? Should such committees advocate political positions (or what might be political positions)--such as a particular stand on nonmajor leaguers in the Hall of Fame, or a position on saving or destruction of a particular ballpark, or a position on what should constitute official statstics, etc.?

If you have any comments on these issues, or if you have other issues you think should be raised, please let me know as soon as possible. Contents of This Issue. In this issue are two bibliographies which may be of interest to members of this committee. The first was prepared by Roy Fleming (Department of Political Science, Texas A&M University) specifically for the Statistical Analysis Committee, and consists of two listings of articles published in The Baseball Abstract (June, 1982 to February, 1989), except for issues 2, 3, 8, and 9. The first listing is an author listing and the second is a subject listing.

The second bibliography accompanied an article ("Discrimination in Professional Sports: A Survey of the Literature") by Lawrence Kahn (of the University of Illinois) published in the April, 1991, issue of <u>Industrial and Labor Relations Review</u>. This bibliography is reprinted by permission of <u>Industrial and Labor Relations Review</u>. I think this is an interesting and informative article, and would

urge you to find a copy of it.

Forthcoming Issues. The next (September?) issue will be the convention issue, containing reports on presentations made at the convention. Past that, I NEED MATERIAL. Without your continuous participation in the preparation of this newsletter, it will not last. So if you are working on something, let me know, and we'll see what we can do about publishing it.

Return Your Questionnaire: A Last Chance. If you have not yet returned your questionnaire, this is the last issue of By the Numbers you will receive. (This applies only to committee members, and not to other SABR committee chairman, officers, or members of the Board). By returning your questionnaire, you will take advantage of the opportunity to continue receiving By the Numbers; I will send you a new copy of the questionnaire if you have lost it. (NEW committee members will receive BTN for one year; at that point, I will be writing you to see whether you wish to continue to receive <u>BTN</u>). At the end of this newsletter is a listing of those committee members who have returned their questionnaires and of all new committee members. IF YOUR NAME IS NOT THERE, THIS IS YOUR LAST ISSUE.

New Telephone Number. I have a new telephone number, which comes complete with voice mail facilities. This way, any messages cannot get lost in a pile of paper (which on my desk is a real possibility). The new number is 219-980-6867.

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The Baseball Analyst: An Index To Authors and Subjects

By Roy B. Fleming Department of Political Science Texas A&M University

Issues 2, 3, 8, and 9 of <u>The Baseball Analyst</u> are not included in these indexes. The indexes are otherwise complete and begin with the first issue published in June of 1982 and conclude with issue #40 released in February, 1989. Articles are indexed first by author and then by subject.

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. "Why Right-Handed Batters are Better High-Ball Hitters and Left-Handed Batters are Better Low-Ball Hitters," 25 (August 1986): 6-7.

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Adams, Dallas. "Tip O'Neill: Estimating his 1887 RBI," 27 (February 1987): 2-3.

Deane, Bill. "Mays vs. Aaron: A New Look," 11 (April 1984): 4-6.

. "Joe D and the Halo Effect," 13 (August 1984): 8-9.

Greenia, Daniel. "All-Time Greats Consensus," 30 (June 1987): 12.

James, Bill. "Commentary" [Heisman: "Hall of Fame"] 6 (April 1983): 20.

Kopf, Mike. "Fred McMullin: An Underrated Crook?" 38 (October 1988): 11.

Levy, Joe. "A National League Rating System," 10 (February 1984): 19-20.

McCleery, Robert K. and Wood, Robert O. "Ranking the All-Time Greats," 28 (March 1987): 14-17.

Morway, Timothy. "Batting Leadoff for St. Louis: George Foster," 26 (October 1986): 6-7.

Munro, Neil. "The All-Time Most Valuable Players," 17 (April 1985): np.

Spark, Andy. "Peer Comparison System," 38 (October 1988): 12-15.

Wood, Robert O. and McCleery, Robert K. "Similarity Scores Among the All-Time Greats," 31 (August 1987): 2-6.

III. HALL OF FAME

James, Bill. "Are Hall of Fame Standards Declining?" 35 (April 1988): 8.

. "A Hall of Fame Note," 38 (October 1988): 19-20.

Rappoport, Dan. "Criteria for Hall of Fame Selection," 12 (June 1984): 18-20.

Hanrahan, Tom. "Formulas and Awards," 32 (October 1987): 18-20.

Wood, Robert O. "The 1988 Hall of Fame Ballot," 33 (December 1987): 5-9.

. "Baseball's Hall of Fame Voting System," 36 (June 1988): 2-5.

IV. MANAGERS

Hoppes, David F. "The Pythagorean Theorem and Twenty-Two Recent Managers," 12 (June 1984): 11-13.

Pavitt, Charlie. "The Implications of Leadership Research on Baseball," 27 (February 1987): 8-11.

Pavitt, Charles. "The Implications of Leadership Research on Baseball 2: Current Theory," 30 (June 1987): 13-16.

V. PARK EFFECTS, DAY-NIGHT AND TURF-GRASS DIFFERENCES

Bohn, Terry. "The Metrodome and Homeruns," 12 (June 1984): 4.

Heg, Jim. "The Home Field Advantage Revisited," 40 (February 1989): 8-13.

James, Bill. "Commentary" [Palmer: "Park Effects], 6 (April 1983): 20.

. "Commentary on Schwarzenbart's 'Night and Day," 10 (February 1983): 18.

. "Reaction to Dick O'Brien's Article," 24 (June 1986): 19-20.

Mangano, Joe. "Rabbit [Ball] Revisited," 35 (April 1988): 9-14.

O'Brien, Dick. "Ball Park Elevation and Humidity as Factors in Home Run Production," 24 (June 1986): 17-18.

Palmer, Pete. "Adjusted Home Park Factor," 6 (April 1983): 13-16.

Schwarzenbart, Paul. "The Difference Between Night and Day," 10 (February 1984): 15-17.

Sillman, Sandy. "A Look at 'Turf' Teams and 'Turf' Players: 1983-1986," 27 (February 1987): 4-7.

Smith, Robert Stewart. "Is Artificial Turf More Offensive?" 12 (June 1984): 5-10.

Wood, Robert O. and McCleery, Robert K. "Ball Park Effects on Home Runs," 37 (August 1988): 3-6.

VI. BASEBALL RESEARCH AND METHOD-OLOGIES

Adams, Dallas. "A Report on the Accuracy of the Brock 4 Career Projection Method," 19 (August 1985): np.

Pythagorean Equation at Extreme Scoring Ratios," 30 (June 1987): 17-18.

. "Using a Baseball Simulator Program to Calculate Batter Runs Created," 31 (August 1987): 17-20.

Cramer, Robert, Ellins, Robin, and Lutz, David. "Predicting Major League Baseball Team Performance: Beyond the Pythagorean Formula," 36 (June 1988): 12-14.

Formo, Tony. "Computers and the Ballgame," 25 (August 1986): 2-5.

Heisman, Dan. "Quality vs. Quantity," 6 (April 1983): 6-9.

. "Quantity vs. Quality: A Look at Linear Weights per Game," 18 (June 1985): np.

James, Bill. "Technique of Run Estimation by Game-Line Assembly," 17 (April 1985): np.

. "Suggestions for Areas of Research," 28 (March 1987): 2-7.

. "Research in Progress," 33 (December 1987): 10-20.

. "Response to Cramer, et al," 36 (June 1988): 15.

. "Response from the Editor [to Runquist]" 38 (October 1988): 10.

McLain, Kenneth. "Validating Simulation Programs -- Some Benchmarks," 40 (February 1989): 6-7.

Mean, Alden. "Comparing Statistics from Different Eras," 18 (June 1985): np.

Pankin, Mark D. "Wins and Losses for All Players," 1 (June 1982): 12-14.

. "A Note about [Pavitt's] 'Percentage Baseball Reconsidered," 19 (August 1985): np.

. "Run Estimation by Game-Line Assembly," 22 (February 1986): 17-19.

. "Markov Chain Models, I: Theoretical Background," 34 (February 1988): 5-10.

Pavitt, Charles and Gilbey, Elaine M. "Statistical Procedures for Baseball Research I: Correlation and Simple Regression," 11 (April 1984): 10-15.

Pavitt, Charles. "Percentage Baseball Reconsidered: Model and Method," 16 (February 1985): np.

. "A Response to Mark Pankin's 'A Note about 'Percentage Baseball Reconsidered" 21 (December 1985): 5.

Pudaite, Paul R. "Player Win Averages: An Extended Book Review," 38 (October 1988): 2-7.

Reuter, Jim. "Thoughts on Isolated Power," 4 (December 1982): 23-24.

. "Home Park Factors," 5 (February 1983): 6.

Robinson, David H. "Improving the Runs Created Formula," 30 (June 1987): 2-6.

Runquist, Willie. "On Predicting Wins and Losses from Runs Scored and Allowed," 38 (October 1988): 8-9.

Smyth, David. "A New Framework for Assessing Individual Offensive Performance," 29 (April 1987): 6-8.

VII. MISCELLANEOUS

James, Bill. "Reflections of a Megalomaniac Editor," 35 (April 1988): 15-20.

Kopf, Mike. "Unforegettable Dizziness: A Book Review," 14 (October 1984): 10-11, 17.

. "New Worlds to Conquer," 18 (June 1985): np.

. "Armchair at the Bedside," 21 (December 1985): 15-17.

. "Some Reflections on the 'Iorgy of Recrimination' -- An Attendee Recalls Game Six of the 1985 World Series," 23 (April 1986): 4-8.

. "Some Random Thoughts on Baseball and Ballplayers," 25 (August 1986): 8-10.

Martens, Chris. "The Natural: Strictly Artificial," 13 (August 1984): 7.

Smith, Larry. "Minors 1983: Pitcher's or Hitter's Leagues," 10 (February 1984): 12.

A Bibliography to Accompany
"Discrimination in Professional Sports:
A Survey of the Literature," <u>Industrial</u>
and <u>Labor Relations Review</u>, Vol. 44,
No.3 (April, 1991), pp. 395-418

Compiled by Lawrence Kahn Professor of Economics and Labor and Industrial Relations, the University of Illinois at Urbana-Champaign

Eleanor Brown, Richard Sprio, and Diane Keenan. "Wage and Nonwage Discrimination in Professional Baseball." Mimeo, Pomona College, 1988.

Richard C. K. Burdekin and Todd L. Idson. "Customer Preferences, Attendance and the Racial Structure of Professional Basketball Teams." Mimeo, University of Miami, 1989.

Kevin J. Christiano. "Salary Discrimination in Major League Baseball: The Effect of Race." Sociology of Sport Journal, Vol. 3, No. 2 (June, 1986), pp. 114-153.

Kevin J. Christiano. "Salaries and Race in Professional Baseball 10 Years Later." <u>Sociology of Sport Journal</u>, Vol. 5, No. 2 (June, 1988), pp. 136-149.

James E. Curtis and John W. Loy. "Race-Ethnicity and Relative Centrality of Playing Positions in Team Sports." In Robert S. Hutton (ed.), Exercise and Sports Science Reviews, Vol. 6, pp. 285-313. The Franklin Institute Press (Philadelphia, PA: 1978).

Donald J. Cymrot. "Migration Trends and Earnings of Free Agents in Major League Baseball, 1976-1979." <u>Economic Inquiry</u>, Vol. 21, No. 4 (October, 1983), pp. 545-556.

D. Stanley Eitzen and David C. Sanford. "Segregation of Blacks by Playing Position in Football: Accident or Design?" <u>Social Science Ouarterly</u>, Vol. 55, No. 4 (March, 1975), pp. 948-959.

Robert J. Flanagan. "Competition and Pay: Rival Leagues in Professional Football." Mimeo. Stanford University, 1989. Giles Grenier and Marc Lavoie.
"Francophones in the National Hockey
League: Test of Entry and Salary Discrimination." Mimeo. University of Ottawa, 1988.

James Gwartney and Charles Haworth. "Employer Costs and Discrimination: The Case of Baseball." <u>Journal of Political Economy</u>, Vol. 82, No. 4 (July/August, 1974), pp. 873-881.

James Richard HIll and William Spellman. "Pay Discrimination in Baseball: Data From the Seventies." Industrial Relations, Vol. 23, No. 1 (Winter, 1984), pp. 103-112.

Robert M. Jiobu. "Racial Inequality in a Public Arena: The Case of Professional Baseball." <u>Social Forces</u>, Vol. 67, No. 2 (December, 1988), pp. 524-534.

Norris R. Johnson and David P. Marple. "Racial Discrimination in Professional Basketball: An Empirical Test." Scoiological Focus, Vol. 6, No. 4 (Fall, 1973), pp. 6-18.

J. C. H. Jones and William D. Walsh. "Salary Determination in the National Hockey League: The Effects of Skills, Franchise Characteristics, and Discrimination." <u>Industrial and Labor Relations Review</u>, Vol. 41, No. 4 (July, 1988), pp. 592-604.

Lawrence Kahn. "Managerial Quality, Team Success, and Individual Player Performance in Major League Baseball." Mimeo. Universiyt of Illinois, 1989.

Lawrence M. Kahn and Peter D. Sherer. "Racial Differences in Professional Basketball PLayers' Compensation." <u>Journal of Labor Economics</u>, Vol. 6, No. 1 (January, 1988), pp. 40-61.

James V. Koch and C. Warren Vander Hill. "Is There Discrimination in the 'Black Man's Game'?" Social Science Ouarterly, Vol. 69, No. 1 (March, 1988), pp. 83-94.

Marc Lavoie. "Stacking, Performance Differentials, and Salary Discrimination in Professional Ice Hockey: A Survey of the Evidence." Sociology of Sports Journal, Vol. 6, No. 1 (March, 1989), pp. 17-35.

M. Lavoie, G. Grenier, and S. Coulombe. "Discrimination and Performance Differentials in the National Hockey League." <u>Canadian Public Policy/Analyse de Politiques</u>, Vol. 13, No. 4 (December, 1987), pp. 407-422.

Joanne Lipman. "Sports Marketers See Evidence of Racism." Wall Street Journal, October 18, 1988, p. B1.

Donna R. Madison and Daniel M. Landers. "Racial Discrimination in Football: A Test of the 'Stacking" of Playing Positions Hypothesis." In Daniel M. Landers (ed.), Social Problems in Athletics: Essays in the Sociology of Sports, pp. 151-156. University of Illinois Press (Champaign, IL: 1976).

Marshall Medoff. "A Reappraisal of Racial Discrimination against Blacks in Professional Baseball." Review of Black Political Economy, Vol. 5, No. 3 (Spring, 1975), pp. 259-268.

Marshall Medoff. "Positional Segregation and The Economic Hypothesis. <u>Sociology of Sport Journal</u>, Vol. 3, No. 3 (September, 1986), pp. 297-304.

Robert G. Mogul. "Football Salaries and Race: Some Empirical Evidence." <u>Industrial Relations</u>, Vol. 12, No. 1 (February, 1973), pp. 109-112.

Robert G. Mogul. "Salary Discrimination in Major League Baseball." Review of Black Political Economy, Vol. 5, No. 3 (Spring, 1975), pp. 269-279..

Robert G. Mogul. "A Note on Racial Discrimination in Professional Basketball: A Reevaluation of the Evidence." <u>American Economist</u>, Vol. 21, No. 2 (Fall, 1977), pp. 71-75.

Robert G. Mogul. "Salary Discrimination in Professional Sports." <u>Atlantic Economic Journal</u>, Vol. 9, No. 3 (September, 1981), pp. 106-110.

Anthony H. Pascal and Leonard A. Rapping. "The Economics of Racial Discrimination in Organized Baseball." In A. H. Pascal (ed.), Racial Discrimination in Economic Life, pp. 119-156. D. C. Heath (Lexington, MA: 1972).

Henry Raimondo. "Free Agents' Impact on the Labor Market for Baseball Players." <u>Journal of Labor Research</u>, Vol. 4, No. 2 (Spring, 1983), pp. 183-193.

Charles E. Rockwood and Ephraim Asher. "Racial Discrimination in Professional Basketball Revisited." <u>American Economist</u>, Vol. 20, No. 1 (Spring, 1976), pp. 59-64.

Paul T. Schollaert and Donald Hugh Smith. "Team Racial Composition and Sports Attendance." <u>Sociological Quarterly</u>, Vol. 28, No. 1 (Spring, 1987), pp. 71-87.

Frank A. Scott Jr., James E. Long and Ken Somppi. "Salary Vs. Marginal Revenue Product under Monopsony and Competition: The Case of Professional Basketball." <u>Atlantic Economic Journal</u>, Vol. 13, No. 3 (September, 1985), pp. 50-59.

Gerald W. Scully. "Economic Discrimination in Professional Sports." Law and Comtemporary Problems, Vol. 38, No. 1 (Winter-Spring, 1973), pp. 67-84.

Gerald W. Scully. "Discrimination: The Case of Baseball." In Roger Noll (ed.), Government and the Sports Business, pp. 221-273. The Brookings Institution (Washington, DC: 1974)

Gerald W. Scully. "Pay and Performance in Major League Baseball." <u>American Economic Review</u>, Vol. 64, No. 5 (December, 1974), pp. 915-930.

Paul M. Somers and Noel Quinton. "Pay and performance in Major League Baseball: The Case of the First Family of Free Agents." Journal of Human Resources, Vol. 17, No. 3 (Summer, 1982), pp. 426-436.

Paul D. Staudohar. <u>The Sports Industry and Collective Bargaining</u>, 2nd Ed. ILR Press (Ithaca, NY: 1989.

Daniel R. Vining and James F. Kerrigan. "An Application of the Lexis Ratio to the Detection of Racial Quotas in Professional Sports: A Note." <u>American Economist</u>, Vol. 22, No. 2 (Fall, 1978), pp. 71-75.

Michael Wallace. "Labor Market Structure and Salary Determination Among Professional Basketball Players." Work and Occupation, Vol. 15, No. 3 (August, 1988), pp. 294-312.

Norman R. Yetman. "Positional Segregation and the Economic Hypothesis: A Critique." Sociology of Sports Journal, Vol. 4, No. 3 (September, 1987), pp. 274-277.