
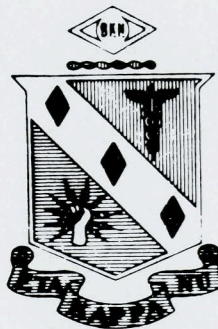




THE
ETA KAPPA NU RECOGNITION

OF
OUTSTANDING YOUNG AMERICAN
ELECTRICAL ENGINEERS

- ROBERT E. LARSON STOCKTON 1989
- FRANK M. STARR SCENECTADY 1938
- HAUNCEY G. SUITS SCENECTADY 1937
- WINSTON E. KOCK CINCINNATI 1938
- LARNED A. MEACHAM NEW YORK 1939
- JESSE E. HOBSON PITTSBURGH 1940
- CLEDD BRUNETTI WASHINGTON 1941
- JOHN F. BIERIE NEW YORK 1942
- NATHAN I. HALL NEW YORK 1943
- RICHARD W. PORTER SCENECTADY 1944
- JAMES M. WALLACE PITTSBURGH 1945
- EVERARD M. WILLIAMS PITTSBURGH 1948
- RICHARD R. HOUGH WHIPPANY 1947
- AGE M. ZARON STAMFORD 1948
- ROBERT E. CHUTE PITTSBURGH 1949
- DONALD P. CAMPBELL CAMBRIDGE 1949
- AGE M. ZARON STAMFORD 1948
- PIER A. ABETI PITTSFIELD 1953
- JOHN V.N. GRANGER STAMFORD 1952
- LABIS GOTTENMANN SCENECTADY 1951
- RUBEN F. METTLER WASHINGTON 1954
- WILBERT E. CHOPPE COLUMBUS 1955
- JORDAN J. BARUCH BOSTON 1956
- EDGAR SACK JR PITTSBURGH 1959
- MALCOLM R. CURRIE CULVER CITY 1958
- ROBERT P. CRAIG KINGSTON 1957
- KENNETH HOLSEN PITTSBURGH 1960
- CLARENCE J. BALDWIN JR PITTSBURGH 1961
- JAMES T. DUANE PITTSBURGH 1962
- EDWARD M. DAVIS JR WHITE PLAINS 1965
- GEORGE H. HEILMEIER PRINCETON N.J. 1968
- ROBERT F. ELFANT POLICEKEEPERS 1967
- W. LEE SHEVEL, JR. YORKTOWN HEIGHTS 1964
- DONALD C. FORSTIER MALIBU 1963
- MORTON H. LEWIN PRINCETON 1966

BRIDGE
Eta Kappa Nu



ROGER I. WILKINSON OUTSTANDING YOUNG EE AWARD

50 YEAR REVIEW

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By LARRY DWON, P.E.
Past President, Eminent Member
and Official Historian of
Eta Kappa Nu.

Introduction

This article is about 50 Outstanding Young Electrical Engineers, 108 Honorable Mentions and 13 Finalists in this Eta Kappa Nu activity. It is dedicated to many people, including:

- Electrical engineering students, with the hope that it would lead them to plan and control their own careers in a manner that would enable them to achieve early and throughout their lifetime.
- All employers of engineers, with the hope that it would lead them to emulate the companies who have been successful in acquiring and nurturing so many high achievers.
- Engineering educators, with the hope that it would convince them that engineering is more than technical knowledge; and that they might see the wisdom of introducing professional awareness subjects into their curriculum as a requirement for graduation.
- The Outstanding Young Electrical Engineers, OYEE; Honorable Mentions, and Finalists who provided Eta Kappa Nu the opportunity to honor them since 1936.
- Roger I. Wilkinson, who conceived this award and guided it for nearly 50 years.
- And, last but not least, the Award Organization Committee, AOC, and the 50 Juries on whom the burden of choice was placed.

To all of these dedicated persons Eta Kappa Nu is grateful.

This award was conceived in the depression of the thirties by Roger Wilkinson who passed away on February 20, 1985. Roger was not privileged to be at the 50th Anniversary Award Dinner on April 20, 1986. Nevertheless, HKN's Board of Directors has authorized the inclusion of Roger I. Wilkinson in the name of this award hereafter. This action was the result of a unanimous recommendation by members of the AOC. Roger founded this committee and was its first chairman from 1936 to 1946. He also devoted countless hours, until his illness

On April 21st, 1986 H.K.N. celebrated the 50th anniversary of its Outstanding Young E.E. Award. We invited our Official Historian, Larry Dwon, to prepare a historical review.

prevented it, to assure that the procedures in the Award program were implemented on the highest professional level.¹

For many years this Award has been associated primarily with the New York Alumni Chapter where it originated. The New York Alumni Chapter implemented all procedures from seeking new candidates to arranging the Award dinner. The New York Alumni Chapter has become less prominent as a viable organization.

Most of the dinners, at which the OYEEs have been honored, were held in New York City. The major exceptions were: the 1941 dinner, held on January 25, 1941 at the Engineers' Club of Philadelphia, and the 1947 dinner which was held in Pittsburgh, Pa. The 1947 dinner was organized by the Alumni Members in that city. It remains the most unique function, except for the first one, because all Winners and Honorable Mentions for the years 1942 through 1947 were honored at that one function. Most recent dinners have been organized by the Alumni Chapter of AEP Service Corp. The 1984 and the 1986 (50th) dinners, were held in Philadelphia with the sponsorship and the help of the Philadelphia Alumni Chapter. The 50th dinner was HKN's finest.

Another historical point worthy of note is that before the Award was instituted many prominent industrialists and educators, at the time, were requested to give their opinions as to the value of such an award and the feasibility of it becoming successful. Roger received mainly affirmative responses except from Mr. Gano Dunn, President of J. G. White Engineering Company. Nevertheless, at the second annual dinner, when Dr. Guy Suits was the OYEE, Mr. Dunn (Edison medalist that year) stated during his dinner address, "A Man is seldom in so strong a position as when he admits an error".

This article summarizes 930 dossiers of all candidates from 1936 to 1985. The information includes:

- Statistical data pertaining to this Award.
- On-the-job fields of interest and levels of education.
- Civic, church, national, cultural and other achievements.

Similar articles, with varying emphases were published in 1941, 1953, 1954 and 1971.^{2,3,4,5,6,7}

Award Origin

The OYEE Award program is one of several activities created by dedicated alumni members of Eta Kappa Nu

in the thirties when the association was floundering. Roger Wilkinson is the undeniable founder of this program, although, he often was heard to say that E. B. Wheeler, one of Eta Kappa Nu's founders, had a similar idea about the same time. The facts in the matter are that two different ideas were presented to a committee who was considering the subject. Roger's concept for the award was accepted. Even more supportive evidence of where the credit lies is the tremendous effort Roger gave to the program in subsequent years. Roger served on the AOC and guided its efforts until 1984. He also served on the Jury several times.

Briefly stated, the concept of the Award is to honor a "Whole Person", not just a technically capable one. Therefore, activities in behalf of civic, church, community, nation, culture, profession and other areas are considered. Actually, a candidate who receives the full number of points in the technical area only is not likely to have his/her dossier reviewed by the Jury where the final decision rests. The point system has not changed over the years:

Category	Points
On the job achievements	50
Civic, church, community and nation	20
Cultural	10
All other accomplishments	20

Typical of AOC scoring is illustrated in the following table for a candidate who received the highest point score from the writer during the years 1942 through 1978:

Category	AOC Reviewers			
	A	B	C	D
On-the-job record	47	40	—	—
Civic, Church, Nation	15	18	—	—
Cultural	7	9	—	—
Other	15	10	—	—
Total	84	77	79	86

The complete summary of this OYEE's record is illustrated in Table 1. It is typical of other winners' achievements.

The foregoing accomplishments must be made in the 10 years following the BS Electrical Engineering Degree or the equivalent as determined by the AOC. Also, the nominee for the Award must be less than 35 years of age.

The Award aims to inspire and guide young men and women in their early professional years to plan and control their own careers. It was created to "... emphasize among electrical engineers that service to mankind is manifested not only by achievements in purely technical pursuits; but by a variety of other ways; and that an education based upon acquisition of technical knowledge and development of logical methods of thinking should fit the engineer to achieve substantial success in many lines of endeavor".⁸

Biographical sketches published in the Bridge of Eta Kappa Nu attest to the foregoing statement. The 50th Anniversary Dinner, held on April 21, 1986 was planned to attract many of the past Awardees in order that HKN may have another opportunity to honor them, as well as, the 1985 persons to be so honored.

Award Administration

Employers and educators nominate the candidates. This review, therefore, is also a tribute to those employers who consistently show appreciation for the value of their technical human resources by assigning challenging tasks to them, by providing opportunities for continuing education and training to help them meet new challenges, for maintaining a working environment that is conducive to nurturing creativity and for encouraging professional involvement. For all these reasons HKN then honors their nominees.

The AOC screens all dossiers in a very systematic and thorough manner, definitely a system established by Roger and maintained by the chairmen who followed him, as well, as the committee members. The writer is the only member on the committee to have read all the dossiers as a result of his having written previous such articles. Roger also read most of them. Consequently, our scores for most candidates were close. If they were not, I had to account for the difference. That usually placed every AOC member on guard for Roger's questions. The AOC chairman have been:

- R. I. Wilkinson* 1936-1946
- O. H. Loynes 1946-1947
- L. Dwon** 1947-1951
- E. Elvove 1951-1954
- J. H. Craig 1954-1959
- W. B. Groth 1959-1966
- B. Sheffield 1966-1970
- H. J. Perlis 1970-1976
- D. Christiansen 1976-1979
- J. A. D'Arcy 1979-1985
- I. Engelson 1985-

*The OYEE program was held in abeyance during 1942-1946.
**in 1947, Award recipients for years 1942-1947 were chosen.

The AOC members over the years are listed in Table 2.

The AOC selects the top 10 candidates, approximately, and submits their dossiers for review and evaluation to a group of specially selected distinguished industrialists, educators, and government officials, including the president of Eta Kappa Nu and the chairman of the AOC. This Jury has the final decision in the selection process. All eligible candidates' dossiers are available to the Jury and they may be reviewed by any member of the Jury. Table 3 lists the names of the 50 Juries.

Selected Statistics

The AOC and Jury review the following data submitted by nominators, candidates and four references for each candidate:

- Two page nomination form which very often is expanded.
- Twelve page dossier which may be accompanied by other documents.
- Four reference letters of varying lengths.

The foregoing sources of data constitute the basis of this report- 930 dossiers comprising a stack of paper 20 feet high weighing 500 pounds, approximately. The data that follows represents what seemed to the writer to be the more pertinent information that interested readers might wish to have for reference. More complete information about each OYEE and Honorable Mention has been published in the Bridge as short biographical articles.

Recognition Categories —

Originally, provision was made to award one OYEE and as many Honorable Mentions as the Jury decided to be deserving of that designation. The maximum number of Honorable Mentions in any one year has been four, and the minimum number has been zero. The total number of Honorable Mentions has been 108. The frequency distribution of Honorable Mentions is illustrated in Table 4.

Honorable Mention Number	Frequency	Number of Years
		Actual
4	3	(1936, 1954, 1955)
3	13	
2	24	
1	9	
0	1	(1982)
Total	50	

In 1981, for the first time, a category of Finalist was added. The official explanation of this innovation is quoted below:

"Each year, the winner and those receiving honorable mention, have been selected by the Jury of Award from among a small group of finalists who had passed the intense competition of the initial screening. Since 1981, Eta Kappa Nu has been recognizing those finalists: who were not selected as winner; who did not receive honorable mention; or who had not previously been recognized as finalist."

Fields of Interest —

Perhaps the most informative data to report is that which is illustrated in Table 5. OYEEs, Honorable Mentions and Finalists are listed by years, decades and fields of interest. Also, the fields have been arbitrarily included in generic categories (A-F) as determined by the writer's judgment. It is conceded that other engi-

neers might choose different generic terms and place individual fields of interest into other generic categories. The result still would be just as interesting.

Generic Category Identifier	Name	Field of Interest	
		Number	Percent
A	Communications	37	23
B	Computers	32	20
C	Controls	12	8
D	Electronics	33	21
E	Military Systems	11	7
F	Power Systems	33	21
Total		158	100

Table 6 summarizes the foregoing information statistically by generic categories, OYEE's, Honorable Mentions and decades. It indicates the substantial changes in technical fields in which many electrical engineers found the challenging action.

Age of Nominees —

Table 7 illustrates the number of nominees, OYEEs, and Honorable Mentions by age at the time they were nominated. No honorable mention was received by any candidate who was less than 25 years old. No OYEE was less than 28 years old.

This information is worthy of note; because, in recent years much younger candidates seem to have been nominated than in the past. It must be realized by nominators, that to be successful in this Award, much more must be accomplished by the candidate that just a brilliant piece of technical work. It takes time to acquire the activities in all categories that this award considers.

Years from BS Degree —

In the same vein, Table 8 illustrates the number of years from the BS Degree that transpired for OYEEs and Honorable Mentions. No Honorable Mention has been less than 3 years from the BS Degree in electrical engineering. No OYEE has been less than six years from the BS Degree date. Actually, it is to the candidates' best interest to be nominated as late in the ten year period as reasonably possible.

Salaries

Each nominee is requested to state his initial salary after acquiring the BS Degree, as well as, the salary at the time of nomination. Figure 1 illustrates the maximum salaries, starting and those in the year nominated that was recorded by any candidate. Perhaps, minimum salaries might have been more dramatic to present, but they might not have been believable.

Considering that these persons represent superior electrical engineering talent, some of them with many patents (belonging to the company, incidently); and each one with extraordinary achievements in his technical specialty, otherwise he would not have been nominated; even the maximum salaries raise the question of how employers value the technical talent that makes the company stay viable. Remember, the maximum salary in any one year represents only one person. Not enough data is normally available to use an average salary for this representation. Nevertheless, the impression would not change. These men have been undervalued.

Degrees Earned —

Only two nominees did not receive an electrical engineering degree at the time of nomination. One candidate received a BSET (Technology not Engineering) but also the MSEE. All candidates were judged to be qualified and actually received honorable mentions.

Table 9 illustrates degrees earned for the period 1936-1969 and Table 10 similarly for the period 1970-1985. Not much more can be said than that a continuing education program throughout an engineering career is essential. Proper utilization of technical human resources is also advantageous to both employee and employer.

Employers —

Students often ask the question, "What is the right number of employers that one should have in order to assure an optimum match?" Of course, the answer is indeterminate because it depends on individual circumstances. Nevertheless, Table 11 shows the frequency distribution of employers for all nominees, by decades. It appears to show that the number of employers has decreased significantly in the last two decades.

Table 12 illustrates similar data but it compares non-winners, Finalists, Honorable Mentions and OYEEs. Sixty percent of all candidates had one employer, 20 percent had two of them and thirteen percent had three employers.

Table 13 lists the companies which nominated more than five candidates in the period 1936-1969. Table 14 does it for the period 1970-1985. These data clearly identify IBM, RCA and BTL as leaders in recognizing young engineering talent. These companies deserve special distinction for their continuing good practices with respect to nurturing creative people and for maintaining an engineering environment that not only begets high employee morale but people and company achievements of great significance to society.

Table 15 continues similar listing of companies but this time only for the OYEEs. Table 16 does it for Honorable Mentions and Table 17 for Finalists. The major conclusion is the same. Employers who respect engineers as professionals continue to attract superior engineering talent.

Engineering Degrees —

In the 1936-1969 period 150 colleges conferred a BS, MS or a Ph.D. in electrical engineering to 681 nominees. In the 1970-1985 period, 121 individual colleges conferred a similar array of degrees to 249 nominees.

Table 18 lists the colleges that conferred more than five degrees to OYEEs from 1936-1985. Table 19 gives similar data for Honorable Mentions and Table 20 does it for Finalists. The reader can draw whatever conclusions appear valid. Some schools appear to be doing something right.

Professional Achievements

The reader is again reminded to recall the four categories that represent the "whole man" concept of this Award. It is more than just technical achievements.

On-the-Job Achievements—

One significant observation that applies almost unanimously among the cited participants is that nearly all of them have been teachers. Some of them taught in the university, others only in industry and still others in the community and the church.

Beyond teaching, their technical interests varied broadly as Tables 5 and 6 indicate clearly. It also indicates substantial stability of interest in the major areas of communications, electronics and electric power systems over the six decades. The more recent fields of computers, control systems and military systems evolved since World War II.

On-the-job activities command a maximum point score of 50. From previous statements, it is obvious that such a score would be insufficient to place the candidate into the prime group that a Jury evaluates. That which follows, therefore, makes the difference between OYEE, Honorable Mention, Finalist and non-winner. It separates the purely technical achiever from the engineer who's professional attitude enables him to contribute some part of himself to assist his fellow man voluntarily.

Community, State and Nation—

Table 21 lists the kinds of activities in which the OYEEs and Honorable Mentions participated. The material represents the period of 1936-1969. Subsequent material demonstrates more of the same.

Cultural and Aesthetic—

Similarly, Table 22 lists the cultural activities in which these persons spent some of their spare time. Among their pursuits was a good deal of reading writing and speaking. Again the data is for the period 1936-1969. Subsequent evidence displayed different versions of the same kinds of activities.

Other Activities—

Some of the humorists among the nominees asked, "Are you kidding? Is there time for something else?" Actually there is for those nominees who planned the use of available time. We are all born equal to 24 hours in a day. We all do not use those hours equally effectively. Table 23 lists some of the more common activities that were mentioned.

Conclusion—

Besides being humbled by the amazing contributions these 930 dossiers display, the writer submits that the following observations represent the achievements of these persons accurately:

- They possessed a large capacity for and a genuine willingness to *work hard*.
- They had a strong desire to obtain as much *education* as possible in a wide spectrum of knowledge.
- They developed an ability to set *goals* early in life and to pursue them diligently.
- They developed working and living habits which *maximized time available* to effectively use their innate ability, education, and experience in the opportunities they sought out voluntarily.
- They were *not selfish* because their contributions toward's other peoples' welfare stand out sharply.

- They cultivated *cooperation*, especially from their families, otherwise it would be difficult to account for their having accomplished so much through the effort of a single person.
- They developed *broad interests*.

Among the nominees who did not succeed in this Award, there were many who rated excellently in their work as engineers. Some of the non-winners had outstanding records in other categories. However, they did not possess a balanced record of achievement in all four categories. They were not the "whole person" that Roger had in mind and for whom Eta Kappa Nu stands.

One final comment is absolutely necessary, namely, HOORAY for Ms. Cecelia Jankowski. She is the first woman electrical engineer to receive honorable mention. In the period 1970-1985, there were 11 women nominated. It is the writer's recollection that in the previous period only one woman had been nominated. Eta Kappa Nu looks forward to many more women achieving recognition in future Awards.

It is hoped that this review will inspire:

- Future young men and women towards equally impressive beginnings to their electrical engineering careers.
- Other employers to search their human resources for qualified nominees to this award.
- All employers to realize that their very existence in a technological world depends on high quality engineers, so it behooves them to respect engineers as unique employees. They should properly utilize them and properly value their services.

A teacher once wrote, "There are two forms of poverty—the lack of goods for the higher wants and the lack of wants for the higher goods". Neither poverty applies to the electrical engineers reviewed in this article.

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- ⁴ Wilkinson, R. I., "What Do Ye More Than Others?", Bridge, July 1941, p 5.
- ⁵ Dzwonczyk, V. L., "Outstanding Young Electrical Engineers: 1936-1951", Electrical Engineering, May 1953, p 399.
- ⁶ Dzwonczyk, V. L., "The Most Outstanding Young Electrical Engineers: 1936-1953", Bridge, Part I, Winter 1954, p 12, Part II, Spring 1954, p 21.
- ⁷ Dwon, L., "Outstanding Young Electrical Engineers: 1936-1969", Bridge, February 1971, p 6.
- ⁸ Nomination Form of Outstanding Young Electrical Engineers, Eta Kappa Nu Association, Inc.

Table 1
Sample Summary of
1945 OYEE—J. M. Wallace

On the Job Record—50 Points Maximum

W. E. Corp.
1935—Laboratory Technician
1937—Design Engineer
1943—Section Manager, Switch and Fuse Section
Five Technical Papers
Ten major contributions towards high-voltage fusing, low-voltage circuit breakers and special rheostats.
Patents—Eighteen patents issued, twenty-nine patents pending twenty-four disclosures awaiting investigation.
NEMA Secretary of two committees.
AIEE Member of group on standards.

Civic and Social Activities—20 Points Maximum

Assistant Scout Master.
Advertising Manager of North Braddock Civic League.
Supported actively a Doctor of Medicine running for the school board.
Maintained voluntarily pipe organs at local church.
Taught Sunday School.
Counsellor of Young People's Organization.
Member of Board of Trustees of Church.
Taught in W. E. Corp. Technical School.
Worked with Red Cross blood bank; Contributed seven pints.
Contributed 10% of salary to Church and Charity.
Married, owns home, one child.

Cultural activities—10 Points Maximum

Participated in dramatic, music and painting fields.
Stage Manager in Little Theatre Club, three years.
Acted parts—lead in one.
Accomplished pianist—played twenty years.
Organized amateur orchestra and played at local functions on a voluntary basis.
Paints with oil.
Read extensively.

Other Activities—20 Points Maximum

Sailboat racing.
Photography—color stills and movies.
Held canoe sailing trophy for ten consecutive years.
Won three trophies for sailing center board boat.
Won one final and one second prize in canoe paddling.
Received awards from patents from W. E. Corp.
Registered professional engineer, and member of Pennsylvania Society of Professional Engineers.
AIEE—Member of two committees.

Westinghouse Engineers Society—Held four offices including presidency.

Organized W. E. Corp. Night School Engineering Society.

Co-founder of Allegheny Sailing Association.

Trustee, McKeesport United Presbyterian Church.

Member of Sylvan Canoe Club—Held office on Board of Governors four times.

Member Westinghouse Educational Center, Boosters Club, Pittsburgh Symphony Society and the Western Pennsylvania Safety Council.

Table 2
AWARD ORGANIZATION COMMITTEE
1936-1985

Name	Years Inclusive		
	Chairman	Member	Total
Arnell, J. C.		1940-1941	2
Baldwin, C. J.		1974-1985	12
Beach, R.		1942-1967	26
Bennett, H. S.		1974-1980	7
Brenner, M.		1951-1956	6
Buck, M.		1937-1941	5
Callahan, E. D.		1955-1956	
		1962-1967	8
Carter, L. L.		1939-1950	12
Christiansen, D.	1975-1979	1973-1985	13
Craig, J.	1954-1958	1954-1965	12
Crone, R.		1966-1971	6
D'Arcy, J.	1979-1985	1974-1985	12
Donia, R. A.		1971	1
Dudley, H. W.		1939	1
Dwon, L.	1942-1950	1942-1985	44
Elvove, E.	1951-1953	1951-1956	6
Engelson, I	1985-	1966-1985	20
Eshbach, O. W.		1936-1956	21
Fakheri, A.		1977-1985	9
Farley, J.		1958-1959	2
Faust, C.		1936	1
Fink, D.		1942-1948	7
Fouse, R.		1947-1951	10
Gabrielle, A. F.		1963-1985	23
Gennaro, Q. G.		1977-1985	9
Grazda, E. E.		1967-1968	2
Gross, E. T. B.		1954	1
Groth, W.	1959-1965	1958-1985	28
Hale, M.		1938	1
Henline, H. H.		1936-1953	18
Hibshman, N. S.		1954-1966	13
Hobson, J. E.		1954-1955	2
Hudson, P. K.		1963	1
Koerner, C. T.		1958-1959	2
Kolhoff, M. J.		1974-1976	3
Lee, E. S.		1936-1982	47
Levidow, W.		1961-1962	2
Lewis, B. F.		1939-1967	29
Loynes, O. H.	1946-1947	1939-1946	8
Lucky, R. W.		1969-1985	17

Table 2 Continued
AWARD ORGANIZATION COMMITTEE
1936-1985

Name	Years Inclusive		Total
	Chairman	Member	
Mallard, S. A.		1974-1985	12
Mangiero, G. A.		1977-1985	9
Markard, F. W.		1966-1972	7
Mason, M. S.		1938-1939	
		1942-1950	11
McConnaughy, D. H.		1951-1954	4
Monstream, J. M.		1951-1972	22
Mulligan, J. H.		1957-1965	
		1969-1976	17
Murray, W. E.		1983-1985	3

Pashby, R. W.		1940-1941	2
Perlis, H. S.	1970-1975	1961-1975	19
Preiss, R. J.		1980-1985	6
Raiter, S. S.		1967-1985	19
Russell, F. A.		1967-1981	15
Ryder, J. D.		1956-1957	2
Savage, C. F.		1969-1971	3
Shoop, R. M.		1949-1954	6
	SheffieldB.	1966-1970	22
Slade, R. W.		1966-1970	5
Spangler, L. A.		1938	1
Strano, J. J.		1982-1985	4
Wallace, J. M.		1953-1954	2
Warren, S. R.		1955-1956	2
Weschler, L. D.		1978-1985	8
Wilkinson, R. I.	1936-1946	1936-1985	49
Young, F. W.		1957	1

Table 3
AWARD JURY
1936-1985

Year	Chairman	Members
1936	E. B. Meyer	C. A. Butcher, E. S. Lee, L. W. W. Morrow, R. I. Rees, R. I. Wilkinson
1937	Vannevar Bush	T. F. Barton, H. H. Beverage, A. M. Dudley, H. P. Hammond, M. C. Hale, J. W. Weigt
1938	R. L. Sackett	M. Buck, R. E. Doherty, A. M. Dudley, M. S. Mason, J. C. Parker, W. Wilson
1939	H. S. Rogers	M. Buck, A. M. Dudley, F. M. Farmer, W. H. Harrison, G. P. Sawyer
1940	P. H. Chase	F. E. Brooks, R. C. Hellmund, C. P. Sawyer, R. W. Sorenson
1941	R. L. Sackett	F. E. Brooks, M. Eldridge, R. E. Hellmund, H. H. Henline, E. F. Watson
1942	C. A. Powell	F. E. Brooks, A. B. Clark, O. W. Eshbach, W. L. Everitt,
1947		E. L. Moreland, C. G. Suits
1948	E. L. Moreland	C. F. Craig, O. W. Eshbach, N. S. Hibshman, J. E. Murdoch, S. R. Warren, R. W. Wilbraham
1949	R. W. Wilbraham	J. H. Foote, N. S. Hibshman, W. B. Kouwenhoven, C. A. Powel
1950	F. Black	R. Beach, E. Hausmann, A. H. Kehoe, F. E. Sanford
1951	P. Sporn	O. W. Eshbach, S. H. Mortenson, J. O. Perine, E. A. Walker
1952	T. G. LeClair	R. Beach, C. B. Jolliffe, M. J. Kelly, E. B. Kurtz, E. A. Walker
1953	H. A. Peterson	E. T. B. Gross, N. S. Hibshman, D. B. Sinclair, F. V. Smith, A. F. Van Dyck
1954	R. Bown	L. R. Gaty, E. T. B. Gross, C. E. Pendray, S. R. Warren, E. M. Strong
1955	H. A. Winne	S. L. Bailey, J. F. Calvert, J. H. Foote, J. E. Hobson, S. R. Warren
1956	M. D. Hooven	N. S. Hibshman, J. E. Hobson, K. B. McEachron, J. W. McRae, S. R. Warren
1957	I. S. Cogeshall	C. T. Beller, A. V. Haeff, R. R. Hough, W. E. Kock, J. M. Wallace
1958	L. F. Hickernell	J. A. Hutcheson, E. H. Linder, A. N. Goldsmith, R. J. Shank, L. Dwon, G. T. Taylor, H. Pratt, C. T. Koerner
1959	E. Webber	J. B. Browder, L. Dwon, L. C. Holmes, A. K. Kandoian, A. Naeter, C. V. Rosenberg
1960	J.C. McPherson	W. R. Clark, J. H. Craig, E. I. Greene, A. Naeter, R. C. Slauer, B. R. Teare
1961	W. E. Kock	R. P. Crago, J. H. Craig, R. R. Hough, R. M. Mettler, J. R. Pierce, J. M. Wallace
1962	A. C. Hall	J. H. Craig, B. D. Evans, D. G. Fink, S. C. Killian, C. H. Lindon, J. A. M. Lyon, S. R. Warren
1963	S. R. Warren	L. A. deRosa, L. K. Kirchmayer, J. E. Lagerstrom, F. McGinnis, C. F. Wagner
1964	D. G. Fink	J. B. Fisk, W. S. Hill, J. Hillier, R. J. W. Koopman, E. R. Piore, H. H. Sheppard, E. M. Williams
1965	W. K. MacAdam	G. E. Beggs, G. H. Brown, J. P. Eckert, J. A. Haddad, J. H. Harlow, H. H. Sheppard, R. T. Weil

1966	I. Travis	G. W. Clothier, C. A. Gunther, C. M. Hyde, H. B. Miller, W. B. Smith, R. I. Wilkinson
1967	C. A. Gunther	E. D. Becken, J. Farley, S. B. Ingram, E. A. Leach, W. P. Smith, J. V. Walsh, R. I. Wilkinson
1968	J. A. Mulligan	S. R. Collis, J. Farley, A. B. Giordano, W. B. Groth, J.C. Hancock
1969	J. V. N. Granger	A. F. Gabrielle, H. Goldberg, J. C. Hancock, S. W. Herwald, L. F. Lischer, W. L. Rubin, C. R. Williams
1970	A. E. Fitzgerald	L. B. Cherry, A. F. Gabrielle, L. H. Roddis, L. E. Saline, G. W. Stagg, R. I. Wilkinson
1971	F. C. Weimer	L. B. Cherry, H. Chestnut, P. E. Haggerty, A. Hauspurg, J. G. Truxal, R. I. Wilkinson
1972	G. H. Brown	E. R. Chope, W. K. MacAdams, H. H. Sheppard, S. R. Warren, F. C. Weimer, H. J. Perlis
1973	W. E. Murray	H. C. Barnes, E. T. B. Gross, J. J. Guarrera, J. Hillier, H. L. Kertz, H. J. Perlis, R. I. Wilkinson
1974	K. H. Olsen	C. J. Baldwin, W. L. Glomb, R. K. Kellman, W. A. Klos, J. R. Ragazzini, R. I. Wilkinson
1975	W. S. White	C. M. Butler, D. Christiansen, R. F. Cotellesa, H. J. Perlis, S. A. Schelkunoff, H. H. Sheppard
1976	J. K. Dillard	L. Dwon, E. D. Eyman, E. L. Mleczo, H. H. Sheppard, R. I. Wilkinson
1977	H. H. Sheppard	D. Christiansen, L. Dwon, M. D. Dodson, M. L. Mleczo
1978	D. Christiansen	D. M. Henderson, C. F. Hoffman, C. J. Killian
1979	J. D'Arcy	D. Christiansen, A. F. Gabrielle, E. Herz, J. P. Van Duyne, W. Webster, A. Zygmunt
1980	E. Paige	D. Christiansen, J. D'Arcy, J. Hancock, S. W. Shields, A. Stouinger, W. Webster
1981	J. D'Arcy	J. J. Brandinger, S. V. Holmes, J. Kuehler, R. W. Lucky, D. V. Menscer, S. R. Parker
1982	J. D'Arcy	J. B. Cruz, R. E. Lueg, S. Musa, C. E. Olman, K. R. Rathjen, R. B. Renda
1983	J. D'Arcy	G. L. Benning, J. R. Betten, E. M. Davis, S. A. Mallard, E. D. Maynard, G. F. Mechlin
1984	J. D'Arcy	W. A. Black, J. Blair, W. Buffington, I. Engelson, B. A. Eisenstein, J. B. Siedlarz
1985	I. Engelson	E. Herz, J. S. Kemper, A. B. Salisbury, M. T. Weiss

Table 5
TECHNICAL FIELDS
OYEEs and Honorable Mentions

Decade	Year	OYEEs* Honorable Mentions	Technical Interest Subject	Generic Field					
				A	B	C	D	E	F
1930	1936	F. M. Starr*	Network Theory						X
		P. L. Bellaschi	Transformers						X
		E. W. Boehne	Circuit Recovery						X
		A. C. Seletzsky	Mercury Vapor Tubes						X
		G. Veinott	Motor Design						X
		C. G. Suits*	Electric Arcs						X
	1937	L. L. Carter	Cable Insulation						X
		P. T. Farnsworth	Television				X		
		C. A. Faust	Electric Railways						X
	1938	W. E. Kock*	Electric Organ				X		
		H. E. Gove	Transmission Lines						X
		G. M. L. Sommerman	Dielectrics						X
1939	L. A. Meachem*	Constant Frequencies				X			
	C. G. Gieringer	X-Ray Instruments				X			
	J. E. Hobson	System Analysis						X	
1940	1940	J. E. Hobson*	System Analysis						X
		G. G. Fink	Microwave Radar				X		
		S. C. Hight	Quartz Crystals				X		

Decade	Year	OYEEs* Honorable Mentions	Technical Interest Subject	Generic Field					
				A	B	C	D	E	F
1941		C. Brunetti*	Ultra-high frequencies				X		
		S. Ramo	Velocity modulation	X					
1942		G. F. Leydorf	Antennas	X					
		J. R. Pierce*	Microwave tubes	X					
1943		G. D. McCann	Lightning					X	
		D. B. Smith	Radar and T. V.				X		
1944		N. I. Hall*	Submarine Radar				X		
		A. G. Kandoian	Antennas	X					
1945		J. W. McCrae	Vacuum tube circuits				X		
		R. N. Porter*	Radar Tracking					X	
1946		W. E. Ingerson	Material testing				X		
		E. H. Krause	Security	X					
1947		D. W. Pugsley	Receivers				X		
		J. M. Wallace*	H. V. Protection					X	
1948		W. A. Depp	Gas Tubes				X		
		J. A. Morton	Vacuum tube theory				X		
1949		E. A. Post	Airborne communication	X					
		E. M. Williams*	Receivers				X		
1950		B. B. Bauer	Microphones	X					
		A. C. Hall	Dynamic analysis	X					
1951		D. A. Waidlich	Naval ordinance					X	
		R. R. Hough*	Fire control radar					X	
1952		M. Camras	Magnetic recorders	X					
		J. B. Wiesner	Radar					X	
1953		A. M. Zarem*	High speed cameras				X		
		J. W. Forester	Servo-mechanisms		X				
1954		H. E. Mohr	Electronic switching				X		
		R. C. Cheek*	Power line carrier						X
1955		L. M. Field	Microwave tubes				X		
		L. G. Gitzendanner	Electro-mag. devices			X			
1956		D. P. Campbell*	Servo-mechanisms			X			
		A. W. Edwards	Circuit interrupters					X	
1957		K. A. Kesselring	Nuclear					X	
		R. W. Mayer	Servo-mechanisms		X				
1958		L. G. Gitzendanner*	Electro-mag. devices		X				
		B. R. Lester	Military electronics				X		
1959		R. L. Trent	Communications	X					
		J. V. N. Granger*	Radiation systems	X					
1960		E. O. Johnson	Microwaves	X					
		G. W. Staats	Hydrogen cooling					X	
1961		P. A. Abetti*	Transformers					X	
		J. E. Jacobs	X-Ray applications				X		
1962		A. G. Kegel	Auto. fire control					X	
		R. F. Mettler*	Air defense control					X	
1963		E. E. David	Magnetron tubes	X					
		J. F. Fuller	Power applications					X	
1964		L. K. Kirchmayer	System economics					X	
		L. E. Saline	Power engineering					X	
1965		W. E. Chope*	Industrial nucleonics		X				
		J. N. Grace	Atomic Power					X	
1966		H. R. Johnson	Microwave tubes	X					
		D. B. Shuster	Nuclear waves				X		
1967		G. Wade	Microwaves	X					
		J. J. Baruch*	Acoustics	X					
1968		R. B. Seidel	Power equipment					X	
		R. P. Crago*	Air defense				X		
1969		W. R. Beam	Microwaves	X					
		G. W. Stagg	Economic dispatch					X	
1970		M. R. Currie*	Microwave tubes	X					
		D. A. Buck	Information Systems	X					

Decade	Year	OYEEs* Honorable Mentions	Technical Interest Subject	Generic Field					
				A	B	C	D	E	F
1959		E. A. Sack*	Solid state devices				X		
		W. O. Fleckenstein	Communications	X					
1960		K. H. Olsen*	Digital computers		X				
		W. B. Green	Semi-conductors				X		
1961		R. R. Johnson	Computers		X				
		T. H. Thompson	Missile guidance					X	
1962		C. J. Baldwin*	System analysis						X
		W. L. Shevel	Magnetic devices		X				
1963		H. A. Zollinger	Controls			X			
		J. T. Duane*	Rotating machines						X
1964		F. A. Gicca	Digital modulation	X					
		D. C. Forster*	Amplifiers	X					
1965		F. J. Young	Acoustics	X					
		W. L. Shevel*	Magnetic memory		X				
1966		P. Dragoumis	Nuclear						X
		F. S. Viglianti	Electronic switching					X	
1967		E. M. Davis*	Solid state devices					X	
		R. S. McCarter	Radar					X	
1968		M. H. Lewin*	Computers		X				
		R. L. Brass	Electronic switching					X	
1969		W. B. Bridges	Lasers					X	
		H. C. Nathanson	Semi-conductors					X	
1970		R. L. Elfant*	Computer memory		X				
		G. H. Heilmair	Amplifiers	X					
1971		R. W. Lucky	Signal design	X					
		G. H. Heilmair*	Amplifiers	X					
1972		L. D. Davidson	Communication	X					
		S. R. Hofstein	Transistors		X				
1973		R. W. Wyndrum	Computer design		X				
		R. E. Larson*	Computer application		X				
1974		G. D. Bergland	Computers		X				
		W. G. Scheerer	Computer design		X				
1975		J. B. Farison*	Control					X	
		E. R. Berlekamp	Coding theory		X				
1976		A. M. Noll	Communication	X					
		E. R. Berlekamp*	Coding theory		X				
1977		H. J. Hovel	Semi-conductors					X	
		G. P. Shuraym	Industrial control			X			
1978		G. P. Shuraym*	Industrial control			X			
		J. E. Goell	Waveguides	X					
1979		L. W. Holmstrom	Optical systems					X	
		L. R. Rabiner	Computer speech		X				
1980		J. T. La Marchia*	Holographics		X				
		D. C. Bossem	Computer reliability		X				
1981		G. K. Bechman	Computers		X				
		L. J. Forys	Traffic theory	X					
1982		H. J. Hovel*	Semi-conductors					X	
		R. Fair	Microwave transistors	X					
1983		S. J. Hong	Error codes		X				
		D. J. Melvold*	H. V. Transmission						X
1984		R. M. Haralick	Image processing		X				
		C. M. Osburn	Dielectrics		X				
1985		C. S. Hartman*	Acoustics	X					
		J. G. N. Henderson	Consumer electronics					X	
1986		J. D. N. Henderson*	Consumer electronics					X	
		D. P. Siewiorek	Computer architecture		X				

Decade	Year	OYEEs* Honorable Mentions	Technical Interest Subject	Generic Field					
				A	B	C	D	E	F
	1978	R. E. Birney*	Computer architecture		X				
		D. W. McElroy	Hot spots						X
	1979	R. G. Cornell*	Telecommunications	X					
		S. F. Mauser	Transients						X
1980	1980	J. E. Russell*	Telecommunications	X					
		W. J. Ayer	Memory techniques		X				
		S. J. Temple	Amplifiers	X					
	1981	T. R. Gheewala*	Logic circuits		X				
		T. G. Wilson	Power conversion						X
		W. T. Tsang	Laser techniques	X					
	1982	C. R. Johnson*	Controls			X			
	1983	B. F. Fitzgerald*	Computer memory		X				
		H. S. Law	Intergrated circuits		X				
		M. L. Steinberger	Microwaves	X					
	1984	W. E. Moerner*	Optical Storage		X				
		S. M. Belyeu	Robot control			X			
		C. Jankowski	Computer design		X				
		R. P. Parker	Television				X		
	1985	M. G. Adamiak*	Control simulation						X
		H. S. Hinton	Optical systems		X				
		H. A. Hoenschen	Microprocessors		X				
		M. Keith	Videotex software		X				

Table 6
WINNERS AND HONORABLE MENTIONS
Fields and Decades Summarized

	1930	1940	1950	1960	1970	1980	Totals
Communications							
OYEE		1	3	2	2	1	9
HM		8	8	5	4	3	28
Computers							
OYEE				5	3	3	11
HM			1	6	8	6	21
Controls							
OYEE			3		2	2	7
HM		2	1	1	1		5
Electronics							
OYEE	2	4	1	1	2		10
HM	2	10	2	5	3	1	23
Military							
OYEE		2	2				4
HM		2	3	2			7
Power							
OYEE	2	3	1	2	1	1	10
HM	9	1	9	1	2	1	23
Totals	15	33	34	30	28	18	158

Table 7
AGE OF OYEEs, HONORABLE MENTIONS
AND NON-WINNERS

Age	Number			Cumulative Number		
	Nominees	Hon. Ment.	OYEEs	Nominees	Hon. Ment.	OYEEs
21	1			1		
22	—			1		
23	4			5		
24	3			8		
25	16	1		24	1	
26	18	1		42	2	
27	11	—		53	2	
28	24	—	1	77	2	1
29	26	3	1	103	5	2
30	34	5	3	137*	10	5
31	45	7	4	182	17*	9*
32	40	8	6	222	25	15
33	16	4	1	238	29	16
34	5	1	—	243	30	16
35	3	—	—	246	30	16

*Median Point in this zone.

Table 8
YEARS FROM BS DEGREE

Years	Number			Cumulative Number		
	Non-win.	Hon. Ment.	OYEEs	Non-win.	Hon. Ment.	OYEEs
1	9	—	—	9	—	—
2	6	—	—	15	—	—
3	18	1	—	33	1	—
4	19	1	—	52	2	—
5	15	1	—	67	3	—
6	27	—	1	94	3	1
7	29	1	2	123*	4	3
8	21	3	2	144	7	5
9	39	16	6	183	23*	11*
10	21	6	5	204	29	16

Table 9
DEGREES OBTAINED BY NOMINEES
1936-1969

Number and Percent of Group	Degrees				
	None	BS	MS	Ph.D.	Total
Number: Non-Winners	—	281	188	105	574
Honorable Mentions	2*	16	30	28	76
Winners	*	5	8	19	32
Total	2	302	226	152	682
Percent: Non-Winners	—	49.0	32.9	18.1	100
Honorable Mentions	2.6	21.2	39.4	36.8	100
Winners	—	15.6	25.0	59.4	100
Total	0.5	44.2	33.1	22.2	100

*Unknown—3 Winners and 1 Honorable Mention

Table 10
DEGREES OBTAINED BY NOMINEES
1970-1985

Number and Percent of Group	Degrees				Total
	None	BS	MS	Ph.D.	
Number: Non-Winners		190	98	30	318
Finalists		13	10	3	26
Honorable Mentions		30	29	18	77
OYEEs		16	16	10	42
Total		249	153	61	463
Percent: Non-Winners		76	64	49	69
Finalists		5	7	5	6
Honorable Mentions		12	19	30	16
OYEEs		7	10	16	9
Total		100	100	100	100

Table 11
NUMBER OF EMPLOYERS SINCE BS DEGREE
All Nominees by Decades
1936-1985

Period	Years	Nominees Having Indicate Employers							Total
		1	2	3	4	5	6	7	
1930-39	4	47	21	10	6	2	2	—	88
1940-49	10	62	23	23	15	9	1	—	133
1950-59	10	125	50	37	15	3	1	1	232
1960-69	10	126	47	40	11	2	2	—	228
1970-79	10	51	23	8	2	—	—	1	85
1980-85	6	123	23	13	3	2	—	—	164
Total	50	534	187	131	52	18	6	2	930
Percent of total in decade									
1936-39	4	54	24	11	7	2	2	—	100
1940-49	10	47	17	17	11	7	1	—	100
1950-59	10	54	22	16	7	1	—	—	100
1960-69	10	55	21	17	5	1	1	—	100
1970-79	10	60	27	10	2	—	—	1	100
1980-85	6	75	14	8	2	1	—	1	100
Total	50	57	20	14	6	2	1	—	100

Table 12
NUMBER OF EMPLOYERS SINCE BS DEGREE
OYEEs, Honorable Mentions, Finalists and Non-Winners
1936-1985

Number and Percent Each Category	Number of Employers							Group Total
	1	2	3	4	5	6	7	
Number: Non-Winners	442	152	107	34	16	6	2	759
Finalists	10	2	1					13
Honorable Mentions	60	23	15	8	2			108
OYEEs	22	10	8	10				50
Total	534	187	131	52	18	6	2	930
Percent: Non-Winners	58	20	14	5	2	1		100
Finalists	77	15	8					100
Honorable Mentions	56	21	14	7	2			100
OYEEs	44	20	16	20				100
Total	57	20	14	6	2	1		100

Table 13
COMPANIES NOMINATING MORE THAN
FIVE CANDIDATES
1936-1969

Company	Number	Percent
General Electric	113	16.6
Westinghouse	87	12.8
BTL	75	11.0
RCA	54	7.9
IBM	24	3.5
Bendix	15	2.2
Federal Tel. Labs.	10	1.5
Texas Instruments	10	1.5
Hughes	9	1.3
Sperry	9	1.3
Boeing	8	1.2
Philco	8	1.2
Ratheon	8	1.2
Sandia	8	1.2
Alis Chalmers	7	1.0
US Air Force	7	1.0
Total	453	66.4

Table 15
EMPLOYERS OF OYEEs
AT TIME OF RECOGNITION

Company	1936-1969	1970-1985
General Electric Co.	6	
Westinghouse	5	
IBM	4	5
BTL	3	4
Hughes	3	
RCA	2	1
Baldwin Piano	1	
Bolt, Beranek and Newman	1	
Carnegie Institute	1	
Digital equipment Co.	1	
Harvard	1	
Industrial Nucleonics	1	
M. I. T.	1	
National Bureau of Standards	1	
Stanford	1	
Systems Control	1	
Southern California	1	
Texas Instruments		2
A. E. P. Service Corp.		1
Cornell		1
L. A. Dept. of Water		1
U. of Toledo		1
Total	34	16

(Table 14)... on next page.

Table 14
COMPANIES NOMINATING MORE THAN FIVE CANDIDATES 1970-1985

Company	Non-win.	Final.	Honor. Ment.	OYEEs	Total	Percent Nominees
IBM	28	1	8	5	42	19
RCA	19	4	3	1	27	12
BTL	4	1	12	4	21	9
Honeywell	8				8	4
Western Electric	8				8	4
ITT	7				7	3
Rockwell Int'l	7				7	3
Total					120	54

Table 16
COMPANIES WITH HONORABLE MENTIONS AT TIME OF AWARD

Company	1936-1969	1970-1985
BTL	18	13
G.E. Co.	12	
Westinghouse	10	2
RCA	5	3
M.I.T.	6	
A.E.P. Service Corp.	2	
Philco	2	
Hughes	2	
American Wire and Steel	1	
Anaconda	1	
Armour Institute	1	
Carnegie Institute	1	1
Case Institute	1	
F.T.L.	1	
IBM	1	7
Liebel-Flarsheim	1	
Naval Res. Labs.	1	
Ohio Brass	1	
Princeton	1	
Ratheon	1	1
Lincoln Electric	1	
Sandia	1	
Shure Brothers	1	
Stanford	1	
The Crosley Corp.	1	
Union Electric	1	
United Airlines	1	
University of Missouri	1	
Allis Chalmers	1	
Grumman Aerospace	—	1
University of Kansas	—	1
Texas Instruments	—	1
Total	78	30

Table 17
COMPANIES WITH FINALISTS AT TIME OF RECOGNITION 1981-1985

Company	Number
RCA	4
BTL	1
C. T. Main	1
IBM	1
Jet Propulsion Labs.	1
Kaiser Aluminum	1
P.S. E. & G.	1
Texas Instruments	1
Union Carbide	1
Volcano	1
Total	13

Table 18
COLLEGES CONFERRING MORE THAN FIVE DEGREES OYEEs: 1936-1985

School	BS	MS	Ph.D.	Total
M.I.T.	6	7	4	17
C.I.T.	3	6	4	13
Stanford		5	6	11
Cornell	3	3	2	8
Princeton	2	4	2	8
Yale	1	2	2	5

Table 19
COLLEGES CONFERRING MORE THAN FIVE DEGREES HONORABLE MENTIONS: 1936-1985

School	BS	MS	Ph.D.	Total
M.I.T.	10	15	7	32
Carnegie-Mellon	5	5	5	15
California University	3	4	4	11
C.I.T.	2	5	3	10
Northwestern	3	3	3	9
Cornell	5	2	1	8
Pittsburgh		7	1	8
Princeton	2	4	2	8
Wisconsin	2	3	3	8
Columbia	3	3	1	7
Johns Hopkins	3	2	2	7
Purdue	4	2	1	7
Stanford		4	3	7
Georgia Tech.	4	1	1	6
Utah	4	1	1	6
Illinois	2	2	1	5
Lehigh	3	1	1	5
New York University		4	1	5

Table 20
COLLEGES CONFERRING DEGREES TO FINALISTS 1981-1985

School	BS	MS	Ph.D.	Total
California University	1	1	1	3
Colorado	1	1		2
Columbia	1	1	1	3
Cornell		1	1	2
Northeastern	2	2		4
Ohio State	1	1		2
Pennsylvania		1		1
Princeton	1			1
Rensselaer Polytechnic		1		1
Rochester Institute	1			1
Southern California		1		1
Stanford	1			1
Villanova	1			1
Virginia	1			1
Total	11	10	3	24

Table 21
ACTIVITIES IN BEHALF OF COMMUNITY STATE AND NATION

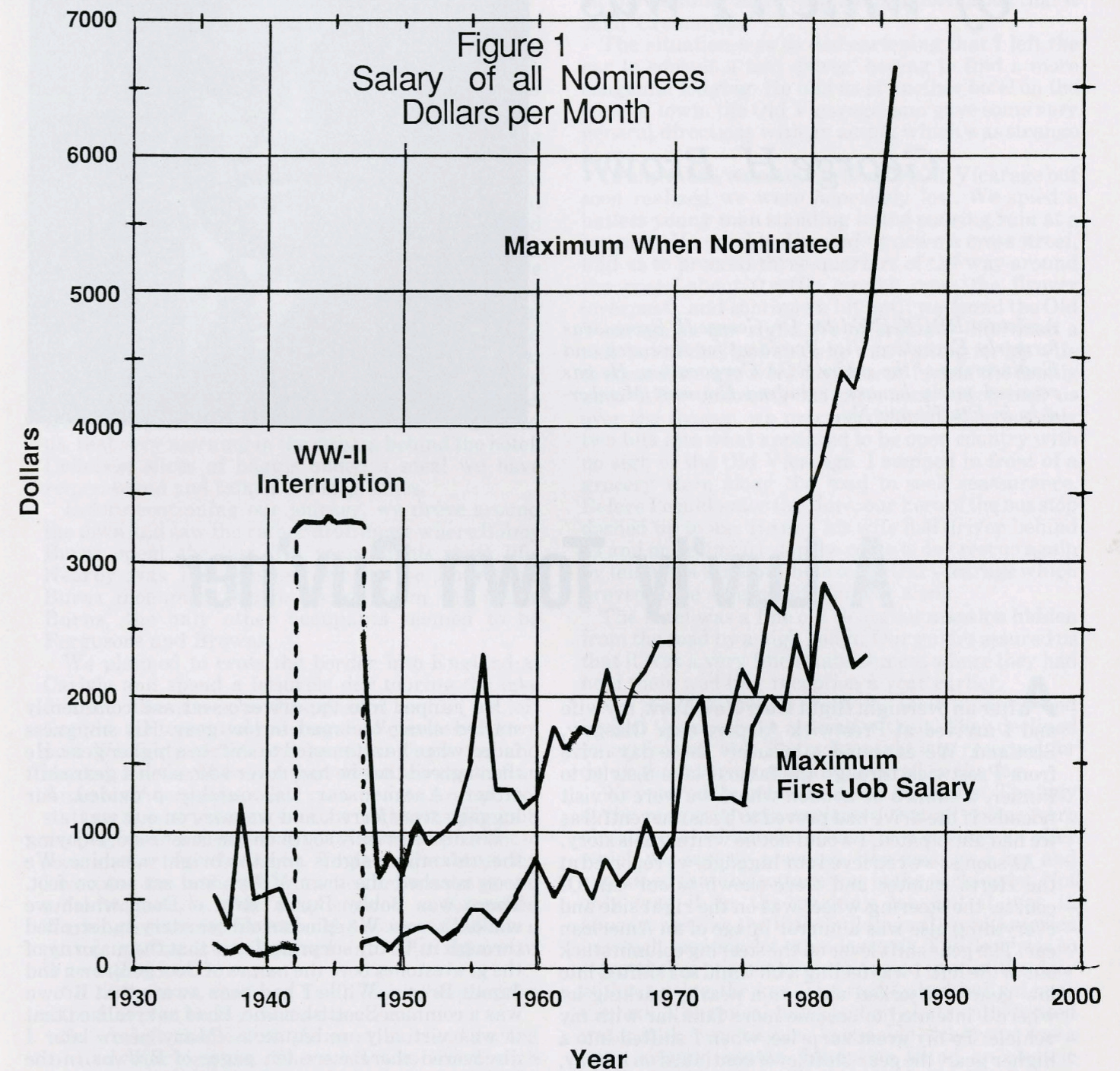
Typical Activities	Percent of Group		
	Non-Winners	Honorable Mentions	Winners
Church Affairs			
Young people's or couples' groups	17	21	28
Directing, teaching, singing in choir	9	14	22
Member of operating committees	13	16	22
Teaching Sunday School	10	23	17
Maintaining equipment voluntarily	4	2	11
Organist in Church	1	—	6
Member of Board	11	16	6
Civic Affairs			
Boy Scout work	12	14	22
Philanthropic collections	21	37	22
YMCA and other youth programs	5	21	39
Adult education	22	49	50
Civic committees	11	42	33
Miscellaneous			
Boys' athletic and recreational programs	4	2	11
Local political activities	4	5	39
Aiding students through schools	—	2	17
Volunteer civil defense	2	5	11
Relief and welfare work	4	2	6
Rebuilding toys for underprivileged	1	—	6
Parent — teachers association	3	9	6

Table 22
CULTURAL AND AESTHETIC DEVELOPMENT

Typical Activities	Percent of Group		
	Non-Winners	Honorable Mentions	Winners
Studied music or appreciation of music	11	16	44
Studied and played instrument	22	30	56
Studied voice or sings in choral group	4	14	17
Wrote articles on music or other cultural subjects	1	9	44
Performed in amateur dramatics or minstrel shows	4	14	28
Painter in oils or water colors	3	28	39
Miscellaneous other activities	3	28	39

Table 23
HOBBIES AND OTHER ACCOMPLISHMENTS

Typical Activities	Percent of Group		
	Non-Winners	Honorable Mentions	Winners
Photography	37	35	50
Amateur radio	15	14	22
Woodworking	18	7	22
Gardening	19	19	33
Golf	15	9	6
Tennis	14	19	33
Swimming	9	21	6
Boating	7	19	6
Flying	3	2	11
Other sports	11	56	67
Stamp collecting	3	7	—
Model building	1	—	—
Astronomy	1	9	6
Miscellaneous	11	16	6



*and part
of which I was*

George H. Brown

Assistant BRIDGE Editor Dr. George H. Brown was formerly Executive Vice President for Research and Engineering of the entire RCA Corporation. He has received many honors including Eminent Membership in Eta Kappa Nu.



A Luv'ly Town Guv'ner

After an overnight flight from New York, my wife and I arrived at Prestwick Airport near Glasgow, Scotland. We expected a leisurely three-day drive from Prestwick through the famous lake district to Pinner, a suburb of London where we were to visit friends. If the drive had proved to be as uneventful as we had anticipated, I would not be writing this story.

As soon as we retrieved our luggage, we reported at the Hertz counter and were shown to our car. Of course, the steering wheel was on the right side and everything else was a mirror image of an American car. The gear shift lever on the steering column stuck out to the left. I was feeling a bit timid so I shifted into low gear and jerked along to a nearby parking lot where I intended to become more familiar with my vehicle. To my great surprise, when I shifted into a higher gear, the gear-shift lever continued on its way, and I was able to rotate the lever through a complete 360-degree circle back to its original position. Fortunately, the car remained in low gear and I was able to proceed slowly back to the Hertz establishment where I told the attendant my troubles.

He responded, "You probably are not familiar with that type of shift, Guv'ner."

To which I replied, "You are right. I have never seen one like it."

He jumped into the driver's seat and confidently started along the road in low gear. His smugness faded when he attempted to shift to a higher gear. He then agreed that he had never seen such a gear shift either. Another car was quickly provided, our luggage transferred, and we were on our way.

We drove briskly south on the coast road, enjoying the unfamiliar sights and the bright sunshine. We soon reached the town of Ayr and set out on foot. There was Bobby Burns' Brig o' Doon which we walked across. We spied an old cemetery and strolled through it. To my surprise, I saw that the majority of the gravestones bore the names of George Brown and James Brown. While I had been aware that Brown was a common Scottish name, I had not realized that it was virtually ubiquitous. Many years later I discovered there were ten pages of Browns in the Edinburgh telephone book with nearly two pages devoted to George Brown.

Then down the road to Alloway to visit the cottage of Burns' birthing. By noontime, we were approaching the town of Dumfries where my father's mother, Jeannette Ferguson, was born. By this time, we were feeling the effects of our overnight flight from New York, so I suggested to my wife that we seek a hotel for a few hours sleep which would then permit us to

go out late in the day for high tea and to ask if the names of Brown and Ferguson were known at this late date. As we drove along what appeared to be the main shopping street, it became apparent from the signs on the stores that the Browns and the Fergusons were the principal merchants of Dumfries.

The Cairndale Arms Hotel soon provided the soft, warm beds that we needed so badly. Refreshed in a few hours, we did go off down the street for a fine high tea, but we did not bother to ask for the Browns and Fergusons.

On returning to our hotel, we found a wedding party in progress in the ballroom. The doors to this room were left wide open, so we were able to spend the evening watching the Scottish dancing and admiring the attire of the men—kilts, sporans, and all that.

The next morning, we advised our waiter that we wanted a typical Scottish breakfast and he responded most admirably. The first course was a bowl of porridge and cream. The cream could not be poured but was spooned onto the porridge. This cream was at least as thick as the thickest Devon or Cornish cream we had ever encountered. This nourishing dish was followed by brook trout caught, our waiter assured us, that very morning in the stream behind the hotel. Delicious slices of haggis ended a meal we have remembered and talked of many times.

Before continuing our journey, we drove around the town and saw the rather drab house where Bobby Burns spent the last five years of his short life. Nearby was the cemetery where the impressive Burns monument stands. Aside from the single Burns, the only other occupants seemed to be Fergusons and Browns.

We planned to cross the border into England at Carlyle and spend a leisurely day touring the lake district. The sun soon disappeared and as we left Carlyle, the torrential rain began. We hastened down past Windermere without seeing a single fan and headed for the M-3 highway, the equivalent of an American turnpike with restaurants and petrol stations at intervals, but without toll booths. The rain and fog were so depressing that it seemed prudent to seek shelter for the night. To the right of us lay Liverpool and to the left, Manchester, both large and uninviting cities. Our map showed a dot called Warrington not far from the M-3 so we pulled into a petrol station and inquired into the nature of Warrington.

"A luv'ly town, Guv'ner. You'll like it," replied the attendant who then gave us directions.

So we left the M-3 at the next exit and turned toward Warrington. The road was lined with Bessemer furnaces, each busily adding to the fog. The number of furnaces increased in geometric progression as we neared the city. We arrived in the center of Warrington just in time for the confusion of the five o'clock traffic. By boldly blocking off many cars, we were able to consult a bobby who directed us to the best hotel in town. In a few minutes, we arrived at the Patten Arms and viewed the dismal scene. The hotel building was so coated with soot that the building

seemed to be constructed from blocks of soft coal. Across the street lay a railway station where two locomotives were adding to the pollution. On a side street another black building was belching yellow smoke. My wife rolled down a window to read the sign on the building and reported the information that it said "Crematory."

The situation was so disheartening that I left the car to consult a taxi driver, hoping to find a more congenial lodging. He told us of another hotel on the edge of town, the Old Vicarage, and gave some very general directions with an accent which was strange to me.

In any event, we set out to find the Old Vicarage but soon realized we were hopelessly lost. We spied a hatless young man standing in the pouring rain at a bus stop. He quickly directed us down a cross street, told us to proceed three-quarters of the way around the round-about (traffic circle), cross the flyover (overpass), and continue a bit until we found the Old Vicarage on our right. We offered our informant a ride but he declined since he was waiting for his wife to come from her work and rescue him in the family auto. After following his directions which took us over the flyover, we proceeded for a bit or possibly two bits into what appeared to be open country with no sign of the Old Vicarage. I stopped in front of a grocery store along the road to seek reassurance. Before I could enter the store, our hero of the bus stop dashed up to me. He and his wife had driven behind us and on seeing us stop, he came to our rescue again by telling us to follow them to the Old Vicarage which proved to be several bits further along.

The hotel was a fine old Georgian mansion hidden from the road by a high hedge. Our guides assured us that it was a very fine establishment where they had held their wedding reception a year earlier.

We thanked them warmly for their kindness and invited them to have a drink with us. They declined by explaining that Thursday night was reserved for doing the washing and disappeared in the fog.

We entered the hotel and asked for a room. The lady at the reception desk explained that all rooms were already booked but she offered us a cottage, an offer which we eagerly accepted. She gave us a key and explained that the cottage was in the parking lot. Not only was it in the parking lot, but it was in appearance like the little buildings all over America in which parking-lot attendants sit. The door was so warped that one could reach inside to open the door without using the key. The roof leaked but not near the bed. A chemical toilet and an electrically-heated water tank were visible. On one side of the room was a huge electric heater. Later we found an electric blanket on the bed. All this and breakfast for two pounds.

After a brief rest, we went into the hotel for dinner. Drinks were served in a cozy parlor in front of a welcome fireplace before going to dinner in an elegantly-furnished dining room. The tables were set with real silver on sparkling white tablecloths and there were real flowers on each table.

The First Time I Saw Paris

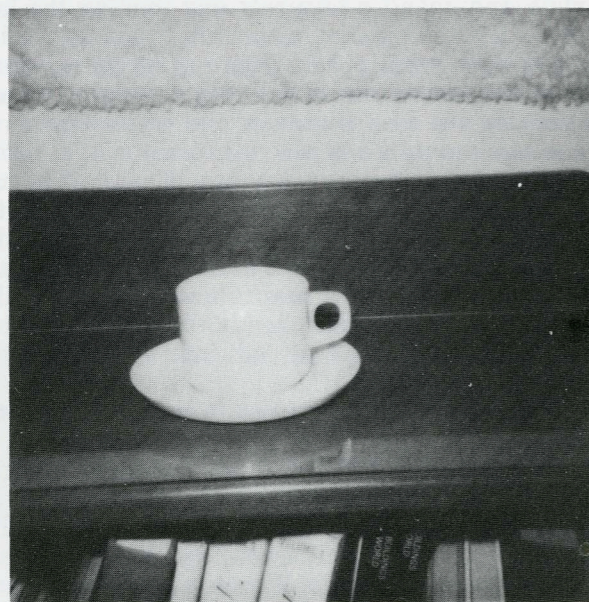
part ten

Polka Dotted Rainbows

by PAUL K. HUDSON
Editor — Bridge

On a beautiful afternoon we were sight-seeing on the Boulevard de la Madelein and drifted into a very large department store. It may have been one of the *Printemps* but I am not certain. For some reason we went directly to the second floor. Later when we were coming down on the escalator and I could see the entire first floor all at once I got a real jolt. For a brief moment I thought I was looking at the floor of the New York Stock Exchange. I went so far as to glance at the far right wall to see if there was a "Big Board" there with stock quotations. The entire first floor of the store was nothing but small booths, like the ones on the floor of the stock exchange. But these booths were not selling stocks, they were selling cosmetics and perfume. Each was operated by a separate company with their names prominently displayed. I looked in vain for the Boyer Company, thinking that it might somehow still be in business. That company had great meaning for me in years past. When I was a small boy I had a bike and once in a while my mother would send me to the drug store to get a jar of Boyer Face Cream. Cold cream or vanishing cream, I do not remember now but she always said that it must be Boyer. I never lost any time on that errand and there was a reason. With each jar of cream there was a printed letter from Mr. Boyer himself. He told about all the new things that were going on in Paris. Occasionally he would tell about some new restaurant that had opened in the city. He would end it by saying, "The next time you are in Paris please drop in for a meal and tell the waiter to charge it to my account." Oh my, talk about class—invited to a free dinner in Paris. But he was completely safe. In those days there were no trans-Atlantic flights and only the rich people went on the boats. In other words, the ordinary people never got there and the rich people would never try to charge a meal to a stranger. But I kept the letters and read them over and over.

I do not know why cosmetics and perfume are such hot items in France. It may be that because of the wars there are still more women than men in the country and the gals are in tough competition. But if I were a young and available guy I could save the girls a lot of money. I do not like a woman to wear make-up and perfume. Putting cosmetics and perfume on a pretty woman is like polka-dotted a rainbow. →



A coffee cup from the Cafe de la Paix, across the street from the Opera, Paris. It is a bit difficult to take a picture of a pure white object.

Engineering is where you find it and we found some in the restaurant called the Cafe de la Paix. In the evenings we would sit in the sidewalk cafe part of the restaurant and drink hot chocolate. The coffee cups, tea cups, chocolate cups, call them what you wish, were a masterpiece of engineering design. Just by looking at the cups we could see what the design problems were. (1) For an expensive place like that, the cups had to be high quality China and not pottery. But they also had to be strong and not easily broken, so they made them a bit rugged. (2) The saucers had to be small so that they would not be easily broken and also so that they would not take up much space on the small tables. (3) The cups and saucers had to be carried from the kitchen a long way out to the sidewalk cafe and the contents was often spilled. Therefore the saucers were made with a deep trough to collect the spilled coffee, etc. When you picked up the cup you did not get drips all over the front of yourself. (4) A small flange at the bottom of each cup would fit exactly on the top rim of another cup so that they could be stacked in tall stacks in the kitchen to save space. France has always been world famous for their China so it was a surprise to me that the cups

and saucers were made in Germany. There is no steadfastness anywhere in the world today.

One evening as we were leaving, I walked over to a waiter and asked if I could buy a couple of their cups to take home. He apparently did not hear what I said but his resonant circuits were finely tuned to the words "cup and saucer." He promptly dashed over to the table we had used to see if the cups were still there. I guess the tourists swipe them a lot of the time. I started again, "Look, when I decide to sell my honor it won't be for a coffee cup. What I asked you was if I could buy a couple of them." He gave me a big smile, obviously pleased to have found an honest tourist. "Yes," he replied, "Just go to the top of the stairs and you will find a small store." The store was run by an attractive French woman. She was young but her street-smarts sat on her like a halo. She only had one cup but she promptly called the kitchen and told them to wash a cup and bring it to her immediately. I gave her a substantial tip for her trouble and she replied, "Thank you my dear one" and threw me a kiss. Cheeze, I sometimes wish I could be young again. I would even let her pour perfume on herself if it meant that much to her.

21 ← BROWN

We blindly selected a bottle of wine from an impressive list. As the wine steward was pouring our wine, he inquired as to our room number.

My wife stated, "We are in the shack."

As the waiter continued to pour with no change in his expression, he imperturbably replied, "The chalet, Madame."

We then continued with a more than adequate dinner and again sat in the parlor for our coffee, content with the end of our day which had seemed so dismal at times.

We returned to our chalet and settled in our warm comfortable bed. The fog had remained so thick that we could not see the church across the road from the hotel but we soon learned of its presence. At frequent intervals, which my wife insists were of fifteen-minute duration, the church bells sounded throughout the night. The whole setting, the church and its bells, the hotel, and the fog made us feel that our surroundings were authentically English.

We know not life's reason,
The length of its season,

Know not if they know, the great Ones above.
We none of us sought it,
And few could support it,
Were it not guilt with the glamour of love.

The next morning after a good breakfast, we asked how to get to the M-3 in order to continue our journey. To our great pleasure, we found we did not have to go back through Warrington. Evidently, we had made a great circle on the previous afternoon, and we were now only one-quarter mile from the M-3 highway. It was not until we were driving merrily down this highway in bright sunshine that we remembered we had failed to use our camera and flash attachment to secure a record of our night in the chalet.

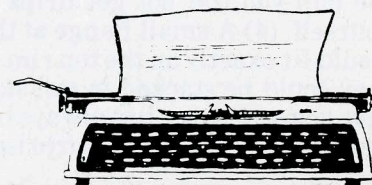
We arrived at the Lamont home in Pinner in time for afternoon tea and to tell Russell and Ida Lamont of our adventures in Warrington. They seemed shocked that we had gone to Warrington to seek lodging.

The end of this journey was climaxed the following morning when the English equivalent of a Western Union messenger rode up to the Lamont home to hand me a sheaf of telegrams from the chairman and the president of RCA, my secretary, and other friends, each congratulating me on being elected to the board of directors of the Radio Corporation of America the previous day.

The Fireflies shall light you,
And naught shall afright you,

Nothing shall trouble the Flight of the Hours.
Come, for I wait for you,
Night is too late for you,
Come while the twilight is closing the flowers.
(Laurence Hope)

High Five



NIΨONANOMIMATAMIMONANOΨIN

In the narthex of the Cathedral of Santa Sophia is a water basin where the worshipers are expected to sprinkle water on their faces. Carved in stone above the basin is the word shown above. It is spelled the same frontwards and backwards. The translation is: WASH YOUR SINS, NOT JUST YOUR FACE.

Sunday—and again her husband was riveted to the chair, watching a football game on TV. “It’s like this every week,” she muttered angrily.

“Wally,” she complained when he rushed into the kitchen for another beer during a timeout, “you love football more than you love me.”

“That I do, *macushla*,” he replied thoughtfully, “but, faith, I love you more than baseball!”

“When the teacher asked a question I was the first to raise my hand,” the boy told his father.

“Then why didn’t you get better grades?”

“Because by the time I got back to the room, somebody had already answered the question.”

The lad came skipping into the house with a big candy bar in his hands. “Where did you get it?” his mother inquired.

“I bought it with the dime you gave me.”

“The dime I gave you was for Sunday School!”

“I know that,” said the lad, “but the minister met me at the door and let me in for nothing.”

The Yuletide holidays had just passed. Mrs. Dugan heaved a sigh of relief as she finished cleaning up the post-Christmas mess in the house. Mrs. O’Rourke, her neighbor, dropped in for a chat.

“An’ how was yer holiday?” asked Mrs. O’Rourke.

“Faith, I’m that glad it’s over,” said Mrs. Dugan wearily. “I got a visit from a jolly, bearded fellow with a grea-a-t big sack. . . me son came home from college with his laundry!”

The most believable golf story of the year appeared on the sports pages of a Daytona Beach newspaper recently. It read:

“At this point, the gallery deserted the defending champion to watch Miss Kathleen Moore, whose shorts were dropping on the green with astonishing regularity.”

TILL I WAKE

When I am dying,
lean over me tenderly, softly,
Stoop, as the yellow roses droop
in the wind from the South,
So I may, when I wake,
if there be an Awakening,
Keep what lulled me to sleep,
the touch of your lips on my mouth.