

75 YEARS OF TSRC

YESTERDAY IN A
NUTSHELL

Mike Ogden

75th Tobacco Science Research Conference
New Orleans
September 12, 2022



01

FOREWORD

50th HISTORY

Recent Advances
in Tobacco Science

VOLUME 22

Fifty Years of Tobacco
Science and Technology



Symposium Proceedings
50th Meeting
Tobacco Chemists'
Research Conference

October 20-23, 1996
Richmond, Virginia, USA

THE HISTORY OF THE
TOBACCO CHEMISTS' RESEARCH CONFERENCE
1947-1996

Raymond C. Long and D. Layten Davis

Crop Science Department, North Carolina State University,
Raleigh, NC 27695-7620
Research and Development, R. J. Reynolds Tobacco Company,
Winston-Salem, NC 27102-1487

ABSTRACT

Begun in October, 1947, as the Technical Conference on name changes, the Tobacco Chemists' Research Conference is alive and well as it celebrates its Golden Anniversary. The impetus for the origination of the conference derived from the desire of several tobacco chemists to discuss their work with others in the industry. This paper traces the evolution of the conference from its inception, through its early years of growing pains and name changes, to the present time by identifying the personalities involved in establishing the conference, recognizing other scientists who have contributed to its operation, and by providing coverage of events, "firsts," and changes to the conference. Today, the annual conference serves as a forum for the discussion of the chemistry and physics

**“You can read a different story
In a lot of different books
But even then you won’t really know
How it was a long time ago.”**

—Waylon Jennings, *A Long Time Ago*, 1978

A PICTURE IS WORTH A THOUSAND WORDS



FLASHBACK TO
1947!

The Party Times

SPECIAL EDITION
Read all about the year 1947!

Volume 1...No. 1 NEWS * EVENTS * SPORTS * TECHNOLOGY * COST OF LIVING * & MORE PRICE 5 CENTS

75 YEARS AGO IN 1947



33rd U.S. PRESIDENT
Harry S. Truman
U.S. POPULATION
144.1 million

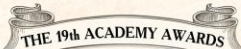


WHAT THINGS COST

Minimum wage	\$0.40/hr
New house	\$6,500.00
Gallon of gas	\$0.15
Gallon of milk	\$0.80
Dozen eggs	\$0.60
Loaf of bread	\$0.12
Postage stamp	\$0.03
Movie ticket	\$0.35

WHAT HAPPENED IN 1947

Cold War: The Voice of America begins to transmit radio broadcasts into Eastern Europe and the Soviet Union. U.S. President Harry S. Truman signs the National Security Act of 1947 into law, creating the Central Intelligence Agency, the Department of Defense, the Joint Chiefs of Staff, and the National Security Council. * A supposedly downed extraterrestrial spacecraft is reportedly found in the Roswell UFO incident, near Roswell, New Mexico, which has been written about by Stanton T. Friedman and many others. * U.S. Air Force is made a separate branch of the military. * World Series games are broadcast on television for the first time. * **The first Tobacco Science Research Conference was convened.**



THE 19th ACADEMY AWARDS

- BEST ACTOR**
Fredric March - *The Best Years of Our Lives*
- BEST ACTRESS**
Olivia de Havilland - *To Each His Own*
- BEST DIRECTOR**
William Wyler - *The Best Years of Our Lives*
- BEST PICTURE**
The Best Years of Our Lives - Samuel Goldwyn

STAR BORN IN 1947

- Arnold Schwarzenegger, Elton John,
David Bowie, Stephen King, Iggy Pop,
Brian May, O. J. Simpson,
Farrah Fawcett

Popular Baby Names

- GIRLS**
Barbara, Sandra, Linda, Mary, Patricia.
- BOYS**
Richard, James, Robert, John, William.

Baker & Sons DRIVE IN STYLE

Smoothest Ride In Town
Only \$1,300
Don't miss this fine Opportunity



Average Income
Per Year
\$3,500.00

WORLD POPULATION
HIT 2.5 BILLION

ON THE BIG SCREEN
Welcome Stranger, The Egg and I, Life with Father, Forever Amber, Unconquered, Till the Clouds Roll By, Road to Rio, Green Dolphin Street

ON TELEVISION
Kraft Theatre, Meet the Press, Mary Kay and Johnny, Queen for a Day, The Ed Sullivan Show, The Howdy Doody Show

IN Style WOMEN
Shoulder pads
Defined waistslines
Skirts above the knee
Wrist length gloves

MEN
Zoot Suits
Knit V-neck vests
Gabardine jacket
Fedora hats

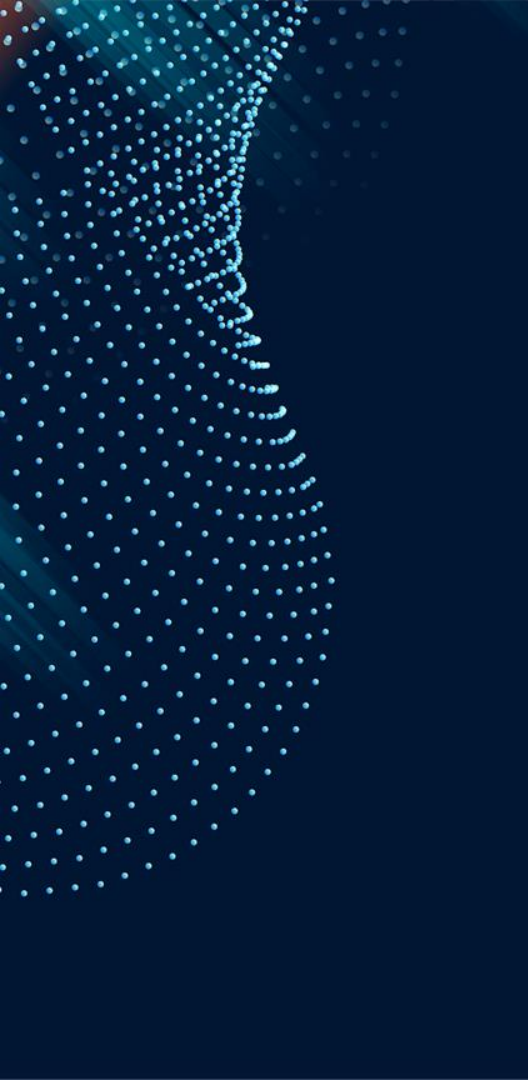
ON THE RADIO
"Near You" - Francis Craig
"Peg O' My Heart" - Harmonicats
"Heartaches" - Ted Weems
"Linda" - Ray Noble and Buddy Clark
"I Wish I Didn't Love You So" - Vaughn Monroe

40'S SLANG
Ace - Top notch expert
Bad news - It's trouble
Cat's Meow - The best

POPULAR CANDY
Bazooka Bubble Gum, M&M's,
Saf-T-Pops, Almond Joy,
DOTS Gumdrops.

SPORTS HIGHLIGHTS

- NBL CHAMPIONSHIP:**
Chicago American Gears win 3 games to 2 over the Rochester Royals.
- MLB WORLD SERIES:**
New York Yankees beat Brooklyn Dodgers 4 games to 3.
- NFL CHAMPIONSHIP:**
Chicago Cardinals beat the Philadelphia Eagles 28-21.
- STANLEY CUP WINNER:**
Toronto Maple Leafs defeat Montreal Canadiens 4 games to 2.
- GOLF MASTERS TOURNAMENT:**
Winner: Jimmy Demaret



FIRST CONFERENCES



1947



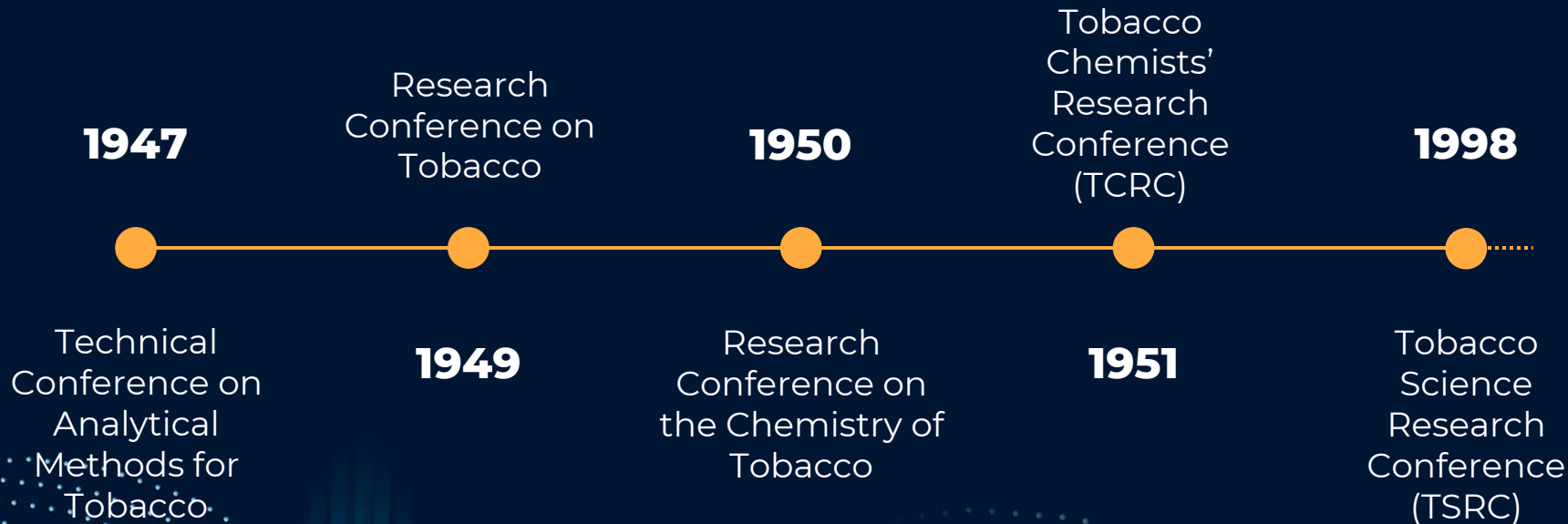
1948



02

HOW WE GOT HERE

THE NAME OF THE GAME



1975 POLICY COMMITTEE

Recommended that papers presented
“deal with the chemistry and physics of tobacco and
smoke. Commercially oriented papers, or strictly
biological papers, are not pertinent to the purview of
the Conference.”



THE GREAT DEBATE

Chemistry vs. Toxicology

PROGRESSION OF NAME CHANGE

49th TCRC Business Meeting proposal to change name (9/1995)

Ad Hoc Committee formed to draft rationale, exploratory survey (6/1996)

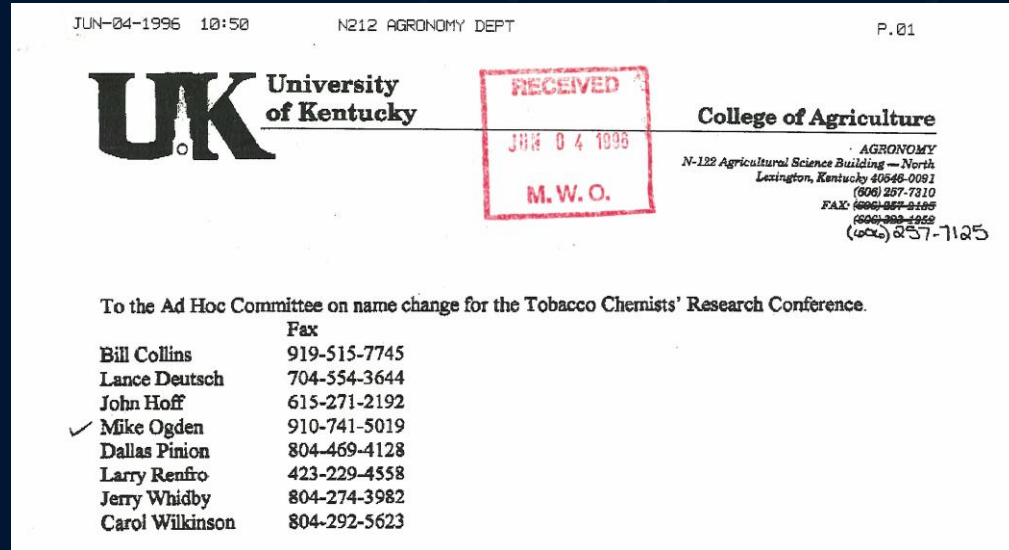
Rationale & survey sent to TCRC mailing list (7/1996); Results to Policy Committee (8-9/1996)

Policy Committee (PC) polls TCRC mailing list with final survey (3/1997)

PC changes name to TSRC (~9/1997) to take effect with 52nd Conference (1998)

PROGRESSION OF NAME CHANGE

Ad Hoc (AH) Committee formed to draft rationale, exploratory survey (6/1996)



From Lowell Bush

PROGRESSION OF NAME CHANGE

Rationale & survey sent to TCRC mailing list (7/1996); Results to Policy Committee (8-9/1996)



49TH TOBACCO CHEMISTS'
RESEARCH CONFERENCE
September 24-27, 1995
Lexington, Kentucky

Reply to:
TCRC
Department of Agronomy
University of Kentucky
Lexington, KY 40546-0091
Phone: (606) 257-1901
Fax: (606) 323-1952
Email: agr101@ukcc.uky.edu



Date: July 12, 1996
To: Attendees of the Tobacco Chemists' Research Conference
From: Ad hoc committee on the Conference name
Lowell Bush, Chair *LB*

At the business meeting of 49th Tobacco Chemists' Research Conference in Lexington it was proposed that the name of the group be changed to be more inclusive for all tobacco disciplines. Dallas Pinion, Chair of the Policy Committee appointed an ad hoc committee to further explore this issue. The following paragraph was drafted by proponents of the concept.

Most participants in Tobacco Chemists' Research Conferences believe that this is an excellent forum for presenting results of scientific studies on tobacco and tobacco products. As a result of our interest in the TCRC, we have observed that more and more participants in the conference and a significant number of Philip Morris Award Winners are not "chemists". Although we applaud the foresight of the tobacco chemists, who were the conference founders, we believe that the time is proper to change the name of our meeting to better reflect the diversity of disciplines represented by the contributors. Therefore, we believe that it would be appropriate to change the name of our meetings to better reflect the diversity of disciplines represented by our participants. A name change also has the potential to expand our appeal to others in the tobacco science community.

There was considerable discussion of this issue at the 49th TCRC business meeting and the committee is requesting input from those that have attended the last two TCRC meetings. To obtain as great an input as possible, we request you complete the survey form on the next page.

Regardless of your position, please respond and give us your input.

The committee seeks your input by completing the following survey:

- I recommend that the name remain as the Tobacco Chemists' Research Conference
- I recommend that we change our name to better represent our group

If the name were to be changed select one of the following possibilities:

1. Tobacco Research Conference
2. Tobacco Community Research Conference (could keep the same acronym: TCRC))
3. Tobacco Science Research Conference (TSRC)
4. TCRC (the letters would be just letters and not an acronym, as AT&T and PittCon have done)
5. Other (please provide a name of your choice)

Provide any comments you believe are appropriate:

Please take a moment to complete this brief survey and return your response to:

Lowell Bush
Department of Agronomy
University of Kentucky
Lexington, KY 40546-0091

Responses will be compiled and provided to the Policy Committee. Their report and recommendation will be made to the business meeting at the 50th TCRC in Richmond this October.

Thank you for your participation.

PROGRESSION OF NAME CHANGE

Rationale & survey sent to TCRC mailing list (7/1996);
Results to Policy Committee (8-9/1996)

Tobacco Chemists' Research Conference Name Survey Results August, 1996

I recommend that the name remain as the Tobacco Chemists Research Conference - 50 votes

I recommend that we change our name to better represent our group - 131 votes

If the name were to be changed select one of the following possibilities:

1. Tobacco Research Conference - 56 votes
2. Tobacco Community Research Conference (could keep the same acronym TCRC) - 23 votes
3. Tobacco Science Research Conference (TSRC) - 47 votes
4. TCRC (the letters would be just letters and not an acronym, as AT&T and PittCon have done) - 16 votes
5. Other (please provide a name of your choice) - 14 votes

Tobacco Products Research Conference (TPRC)
Tobacco Science Conference - 2 votes
Tobacco Central Research Conference (TCRC)
Tobacco Chemistry and Technology Conference (TCTC) or (TC²)
International Tobacco Scientists' Research Conference
Tobacco Industry Scientific Conference
Conference for Progress in Tobacco
Tobacco Community Conference (TCC)
Tobacco Chemistry Research Conference
Tobacco Cigarette Research Conference
Tobacco Conference for Research Communication
TRC
Tobacco Scientist's Research Conference

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Conference for Progress in Tobacco
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Tobacco Cigarette Research Conference
Tobacco Conference for Research Communication
TRC
Tobacco Scientist's Research Conference

PROGRESSION OF NAME CHANGE

Policy Committee (PC) polls TCRC mailing list with final survey (3/1997)



51st Tobacco Chemists' Research Conference

Co-hosted by Wake Forest University and Winston-Salem State University
September 14-17, 1997 • Winston-Salem, North Carolina

March 3, 1997

Dear Colleague:

Some regular TCRC attendees have observed that more and more participants in the conference and a significant number of Philip Morris Award Winners are not "chemists." Although they applaud the foresight of the tobacco chemists who were the conference founders, they also believe that the time is proper to change the name of our meeting to reflect better the diversity of disciplines represented by the contributors. A name change has the potential of expanding attendance and getting more tobacco scientists and engineers involved.

Prior to last year's meeting of the 1996 TCRC Policy Committee, Dr. L. P. Bush conducted a poll to determine if there were sufficient interest to change the name of the Tobacco Chemists' Research Conference. In Dr. Bush's limited poll, 181 former TCRC attendees responded; 131 attendees preferred a name change and 50 attendees preferred no change in name. Alternate conference names receiving the most votes were: (1) Tobacco Research Conference and (2) Tobacco Science Research Conference. Based upon the results of this poll, the 1996 TCRC Policy Committee recommended that in 1997 a formal vote be taken among attendees at the past 3 TCRCs in regard to (1) changing the name of the conference and (2) selecting a new conference name from a choice of the two most popular proposals. This voting was confirmed at the 1996 TCRC Business Meeting.

Attached you will find the official ballot for expressing your preference in a TCRC name change or not. Two choices are involved: 1) vote on whether to change the name or not and 2) vote on the new name. Of course the 2nd vote is moot if the 1st vote is against a name change. Both votes will be decided by a plurality, i.e., the most votes. In case of a tie, a decision will be made during the 1997 TCRC Business Meeting. I urge each of you to exercise your voting franchise that you have earned by previous attendance at TCRCs. Ballots must be returned to Dr. Robert Fenner by April 7th.

With best regards,

Charles R. Green, Ph.D.
1997 Chairman of the TCRC Policy Committee

Attachment: Official Name Change Ballot

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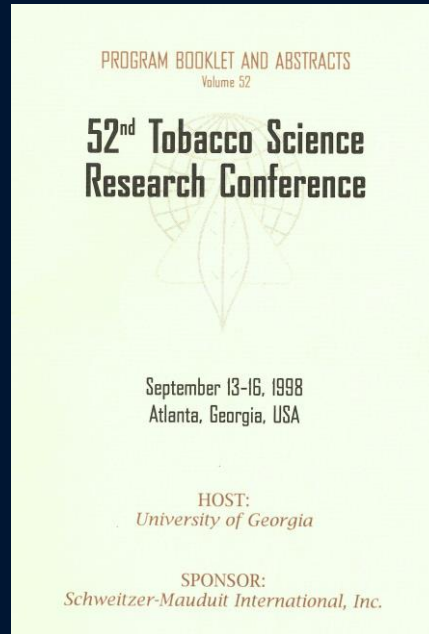
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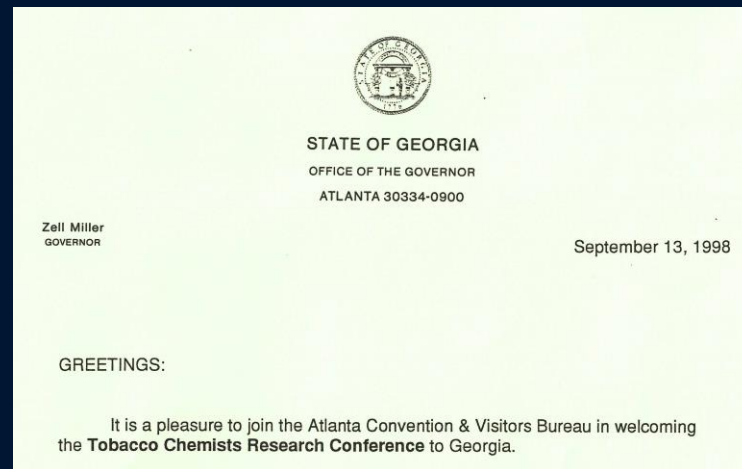
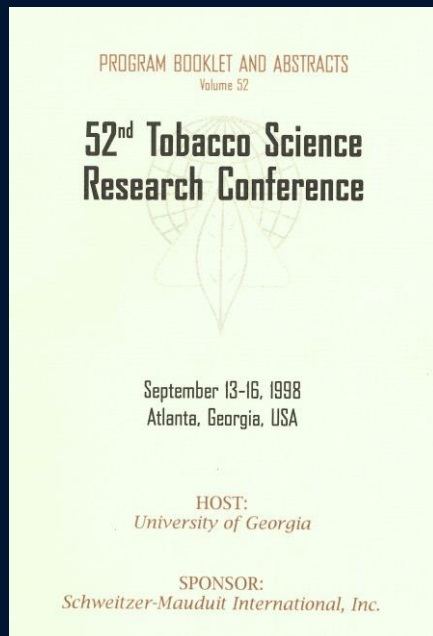
HOW IT TURNED OUT

PC
changes
name to
TSRC
(~9/1997) to
take effect
with 52nd
Conference
(1998)



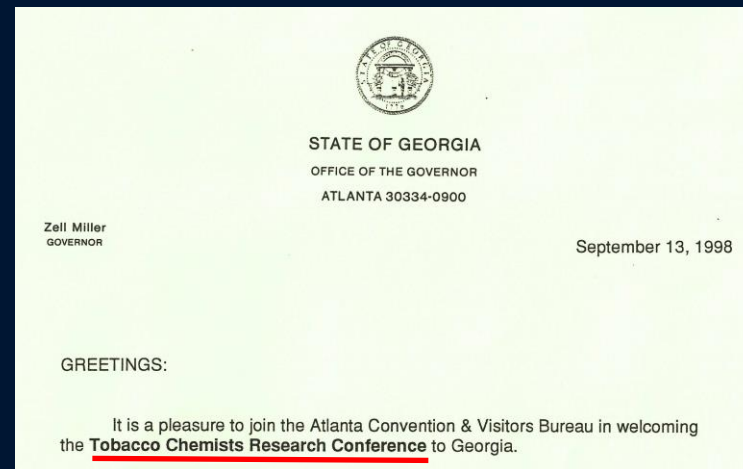
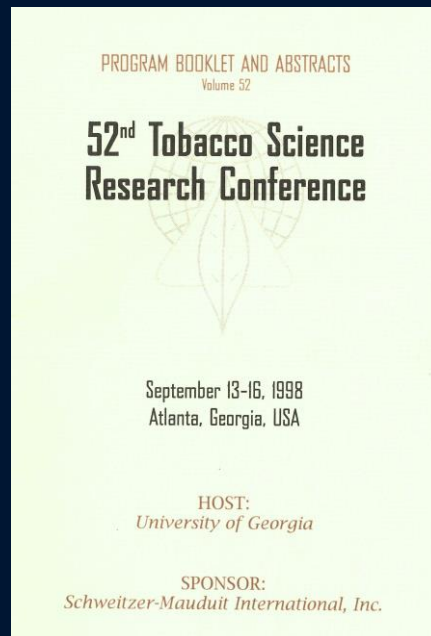
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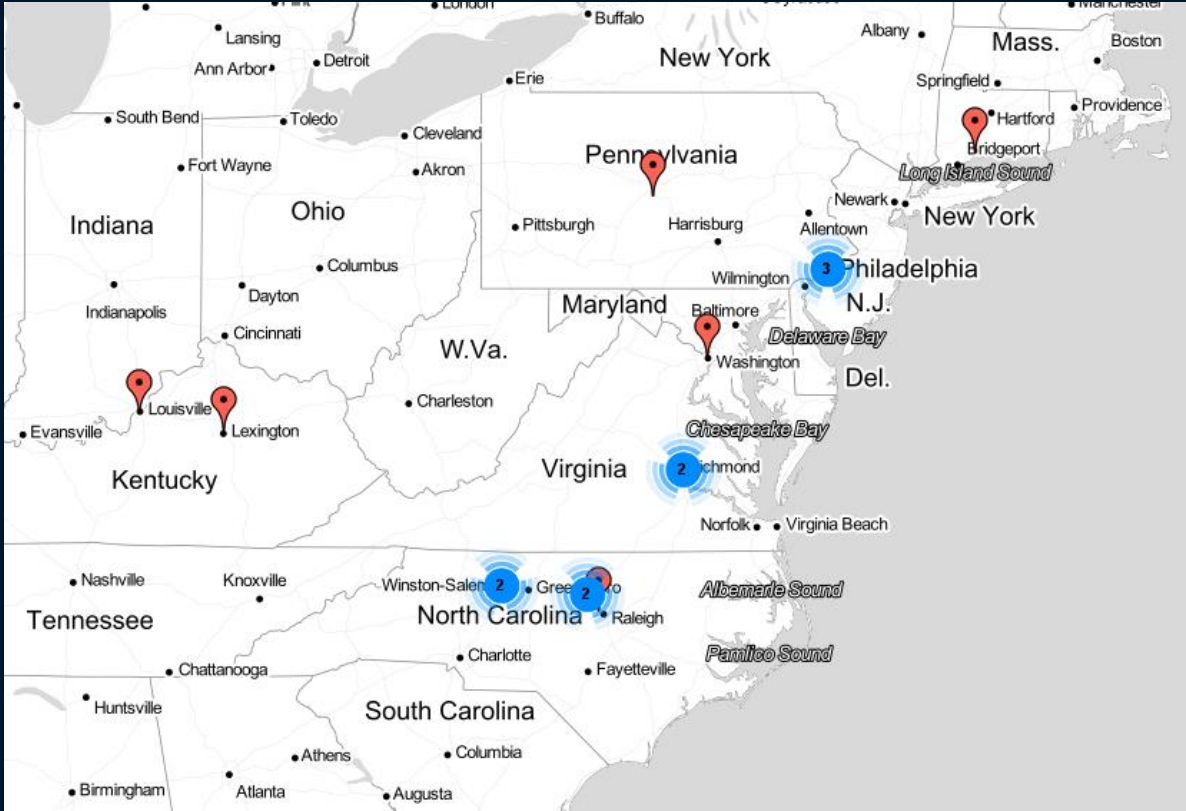
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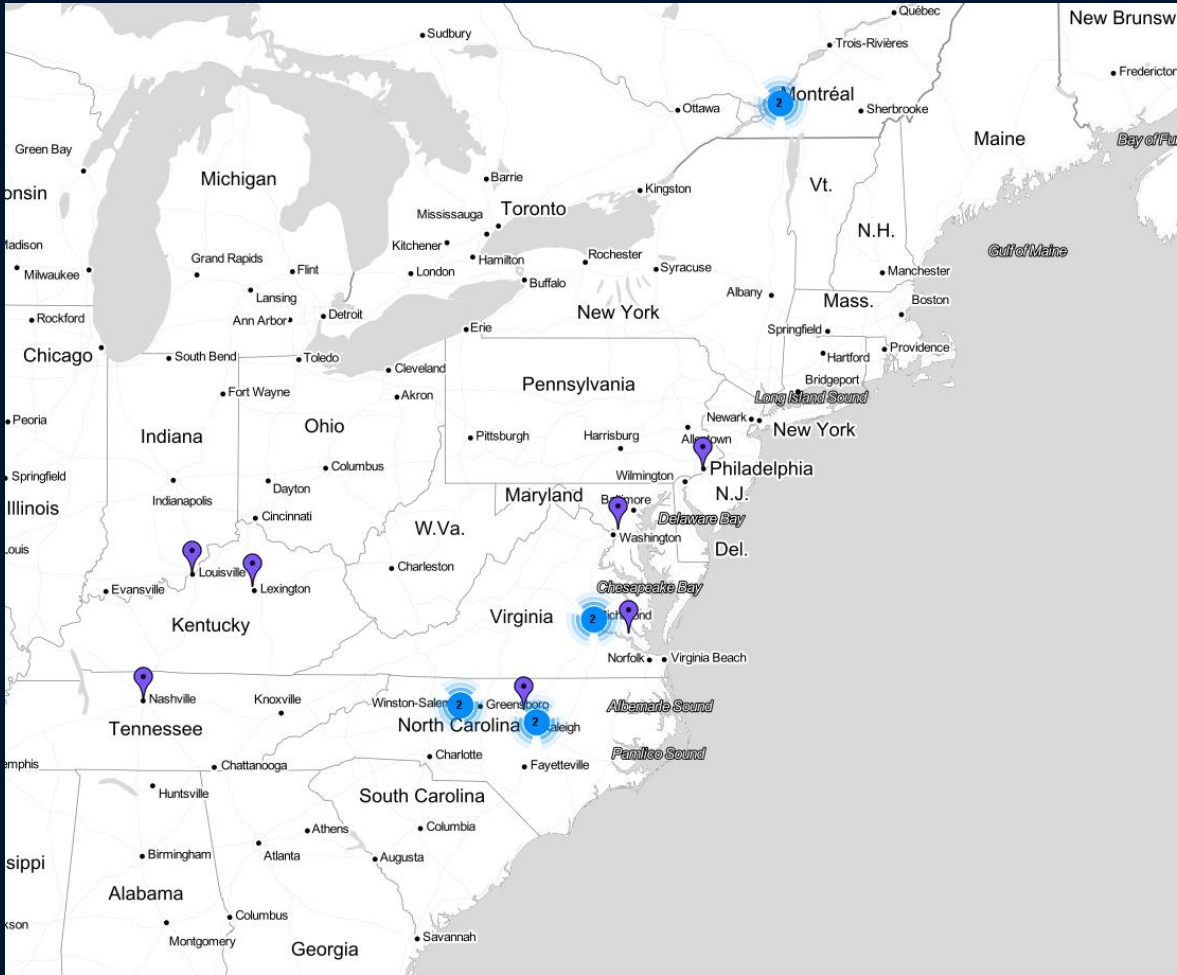
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**WHERE WE'VE
BEEN**




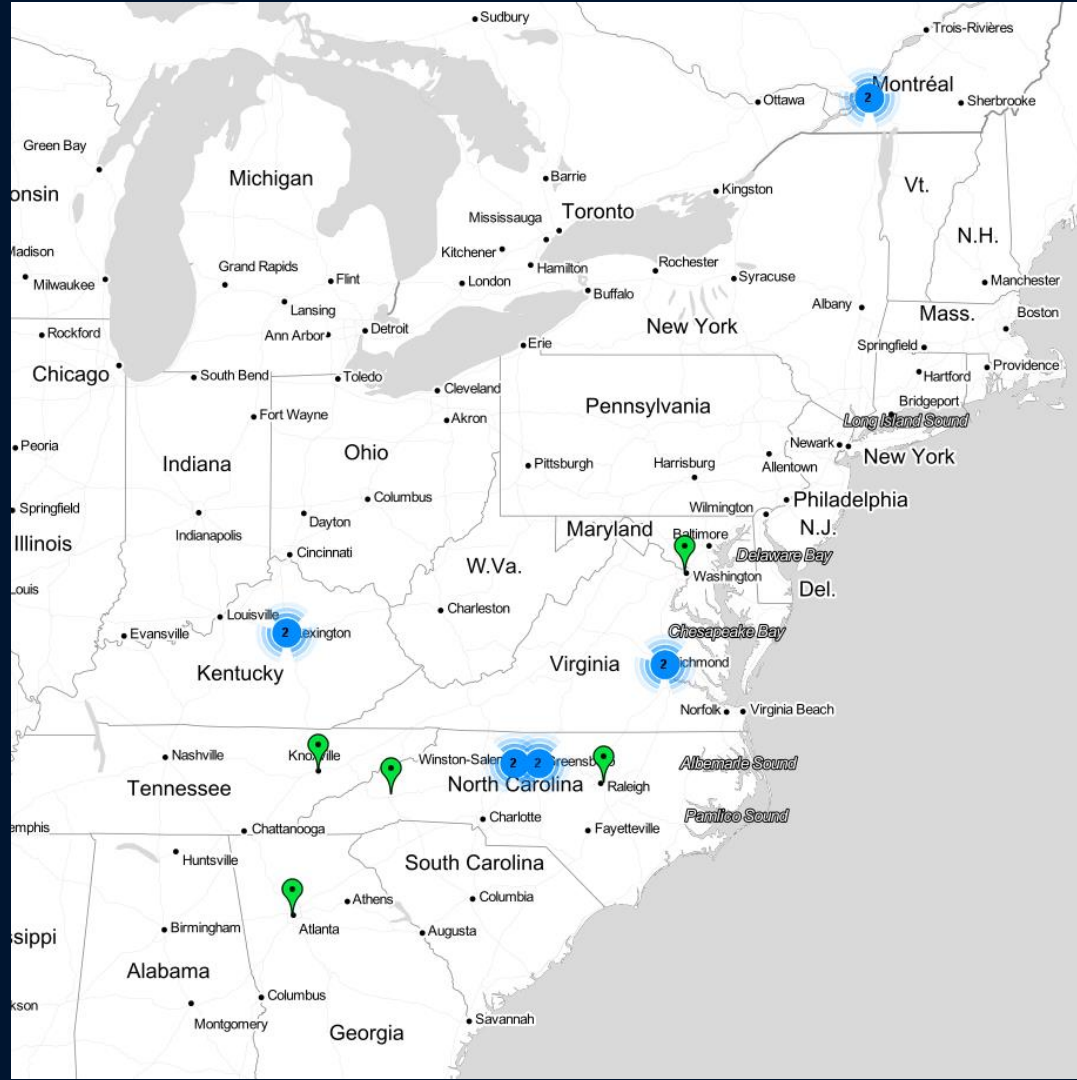
VENUES BY QUINTILE

1st – 1947-1961



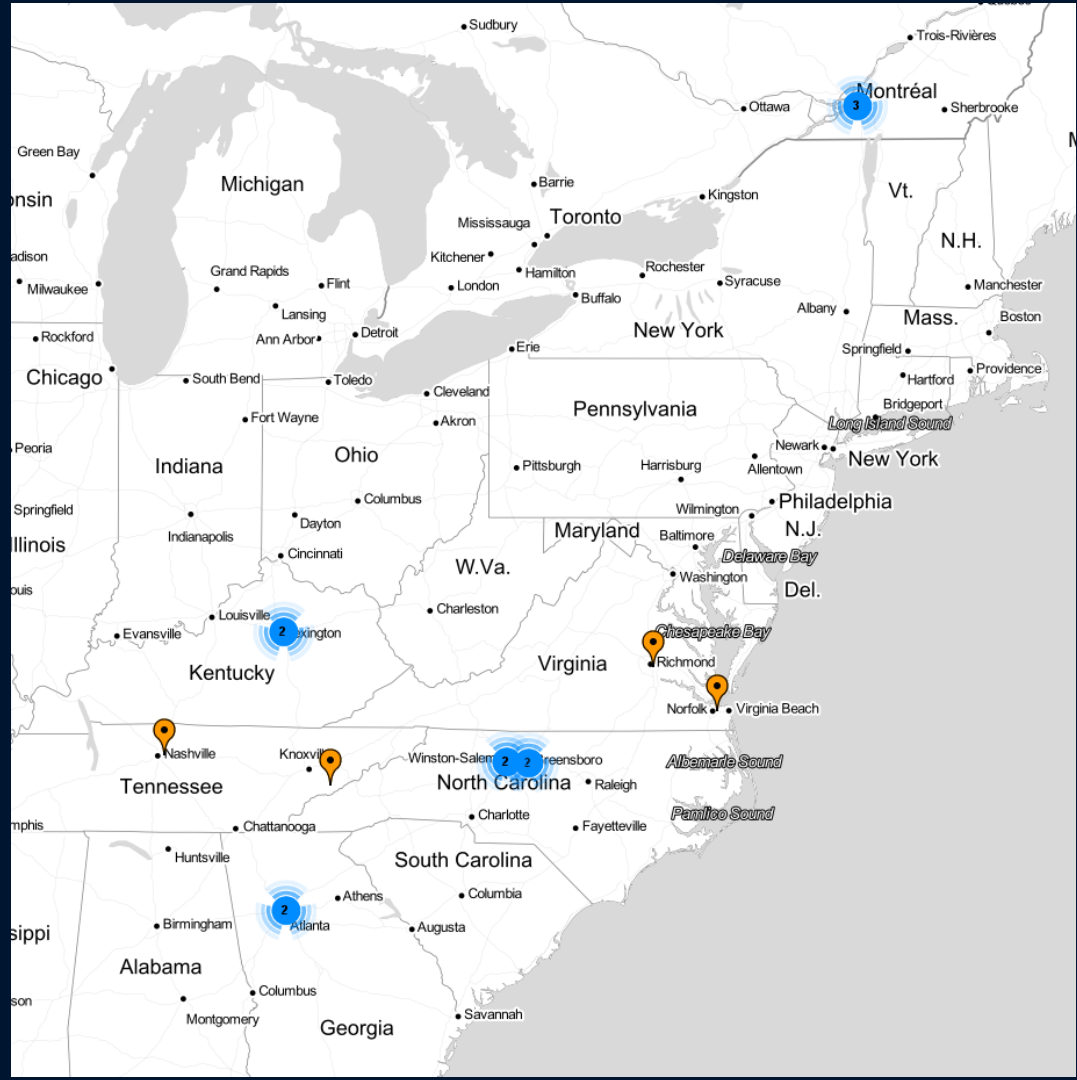
VENUES BY QUINTILE

 2nd – 1962-1976



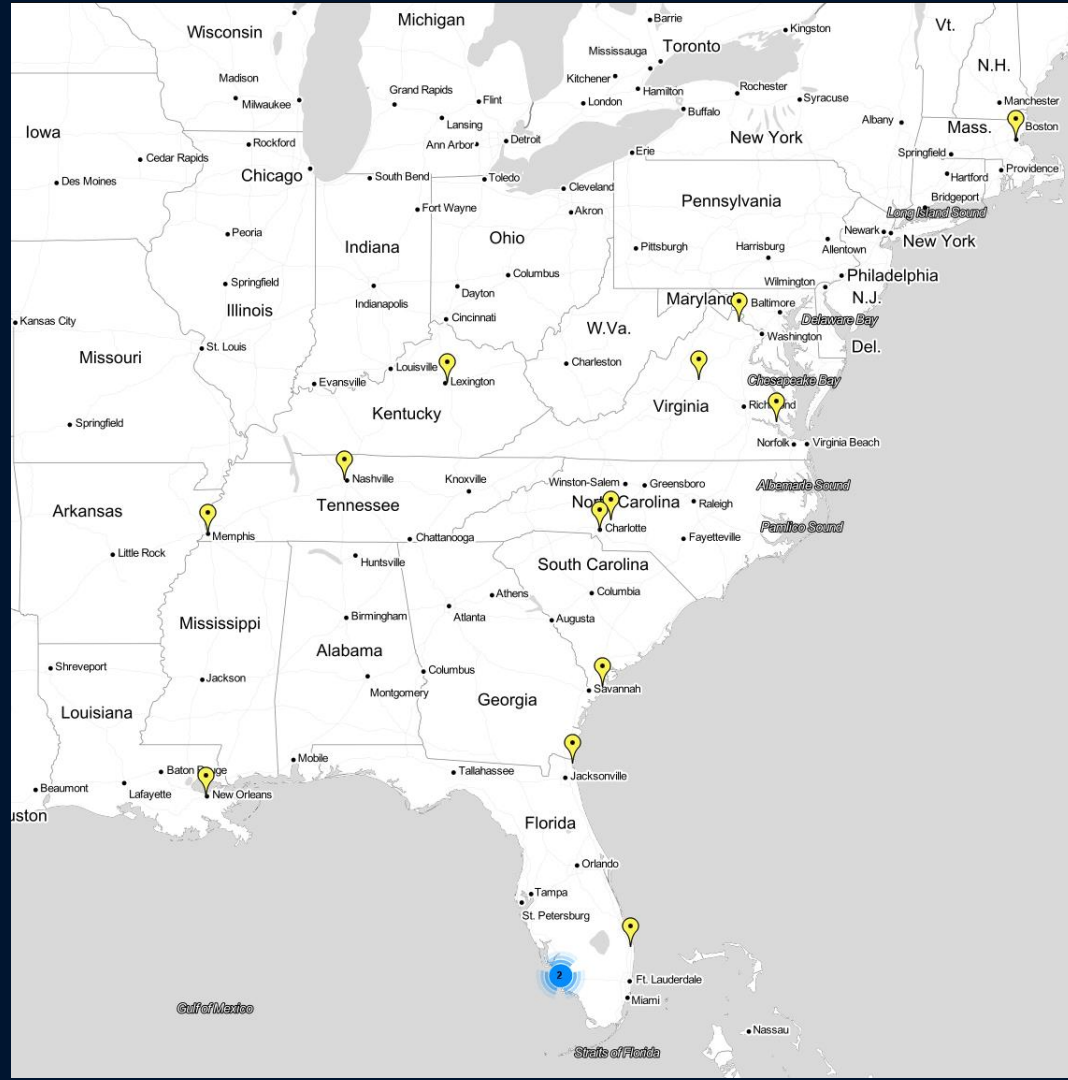
VENUES BY QUINTILE

 3rd – 1977-1991



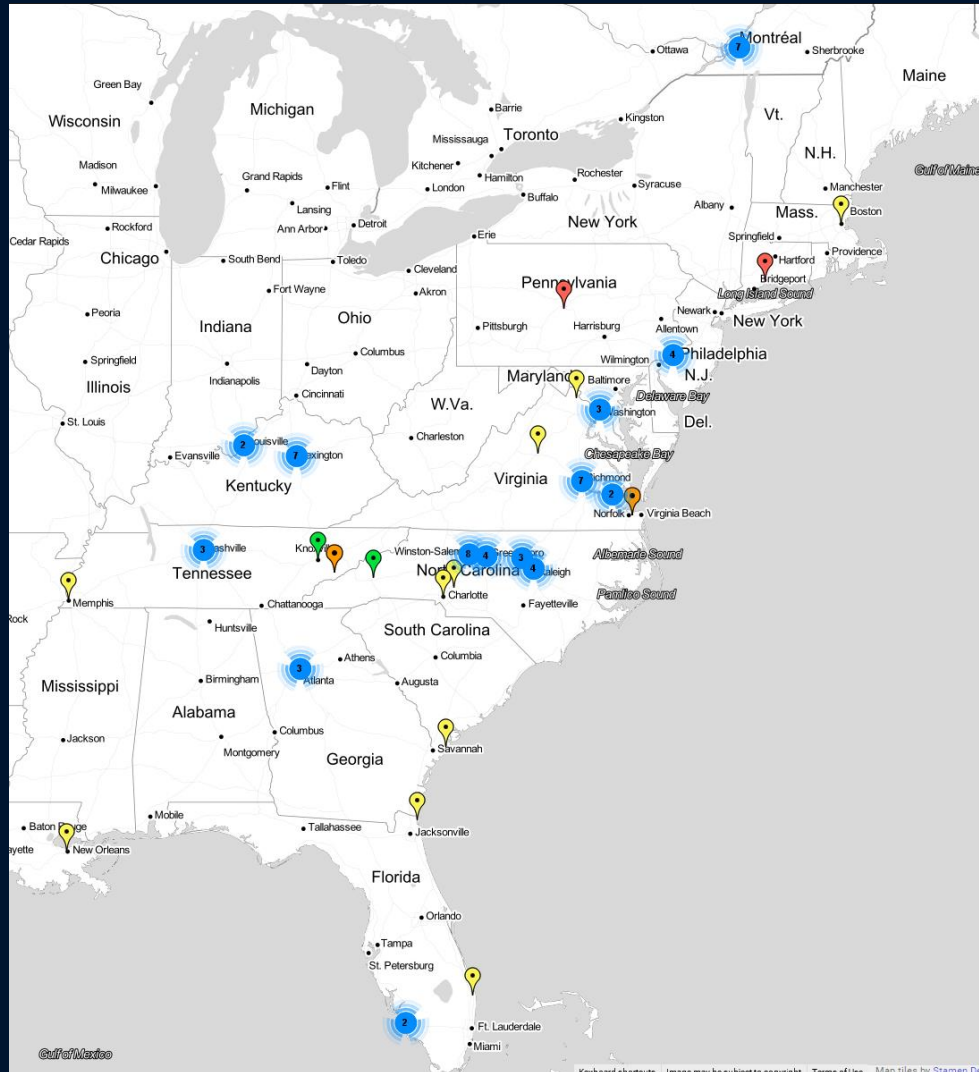
VENUES BY QUINTILE

 4th – 1992-2006



VENUES BY QUINTILE

 5th – 2007-2022



ALL VENUES

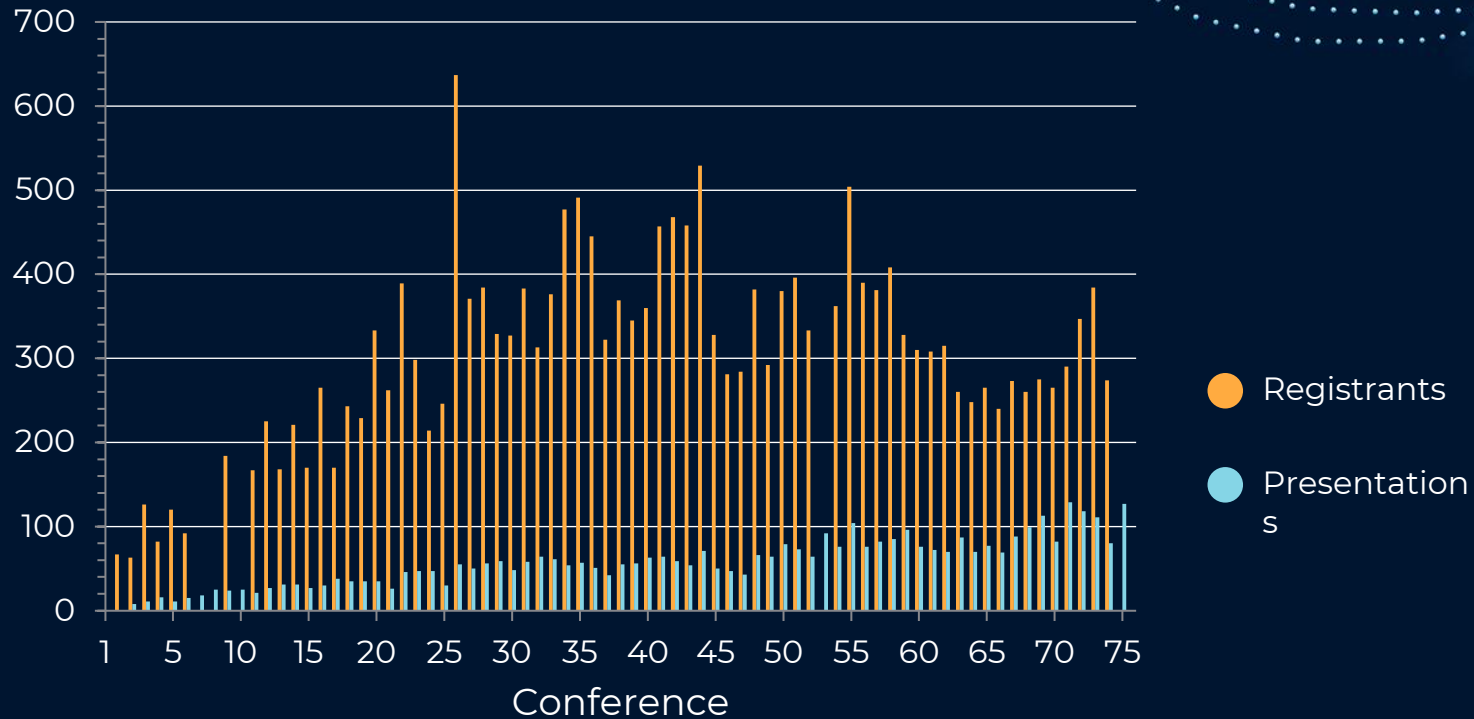
-  1st Quintile – 1947-1961
-  2nd Quintile – 1962-1976
-  3rd Quintile – 1977-1991
-  4th Quintile – 1992-2006
-  5th Quintile – 2007-2022



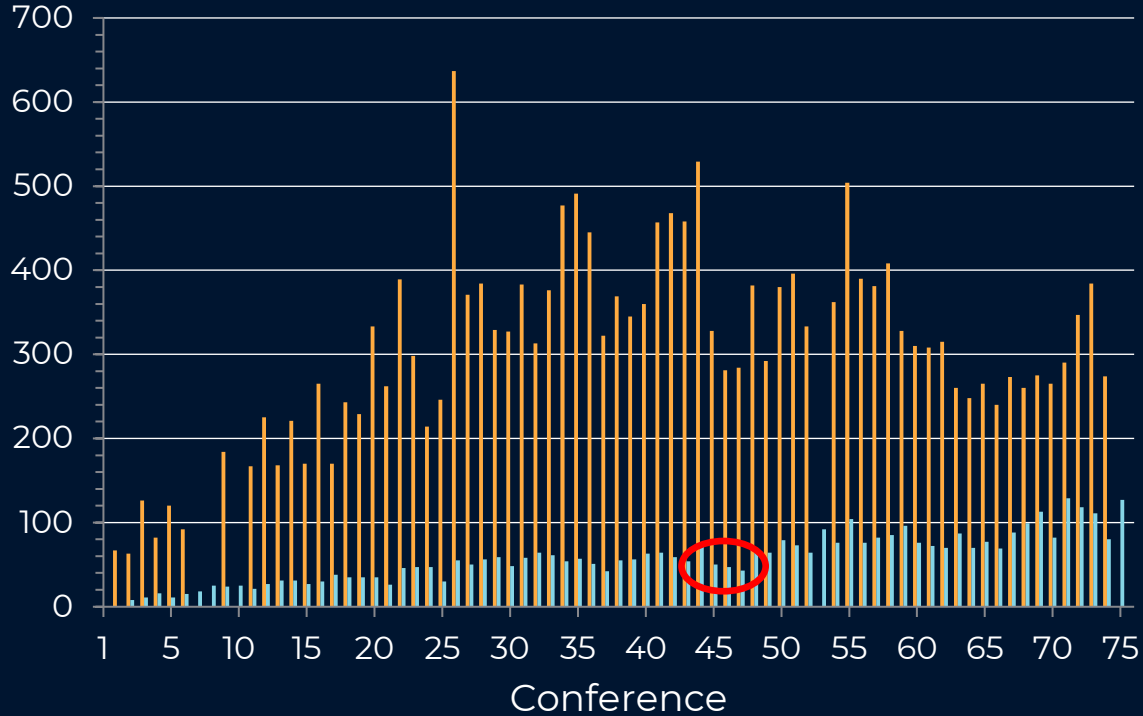
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HOW MANY

PARTICIPATION BY CONFERENCE

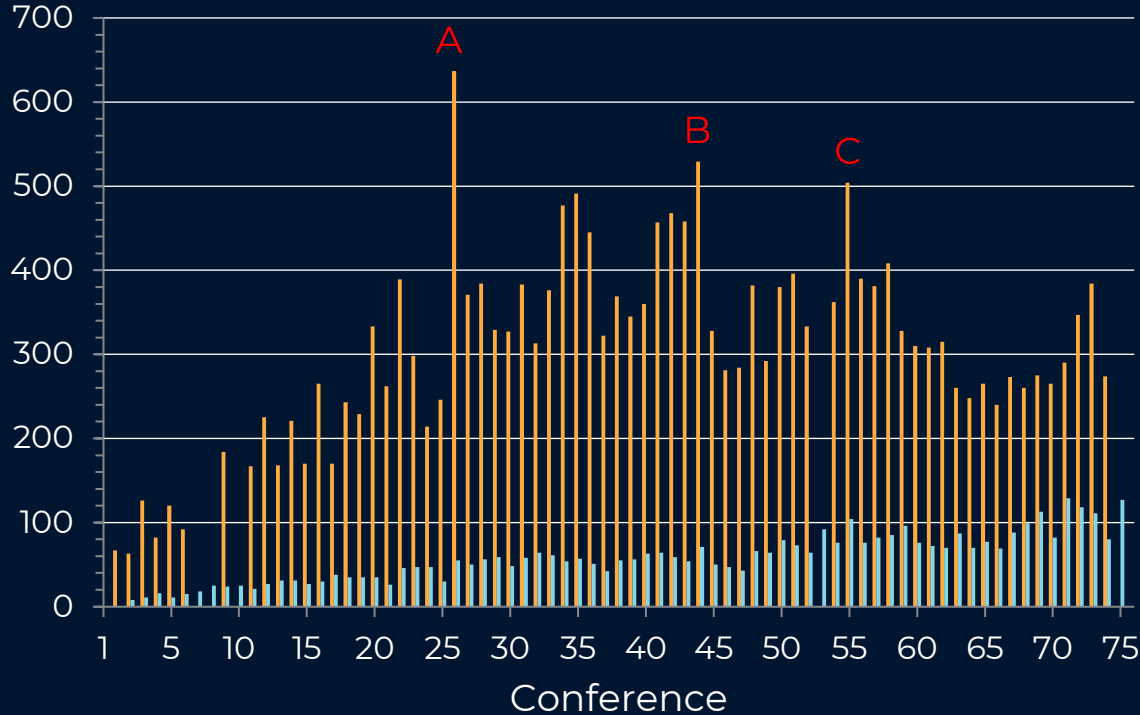


LEAN YEARS



- Registrants
- Presentations
- Lean years, 1991-1993

HIGHEST ATTENDANCE



- A** 26th (1972) – 637
Williamsburg (w/
CORESTA)
 - B** 44th (1990) – 529
Winston-Salem
 - C** 55th (2001) – 504
Greensboro
- Registrants
- Presentations



05

A MOMENT, PLEASE

...

55th TSRC
Koury Convention Center
Greensboro, North Carolina
Host: Lorillard
504 Registrants, 87 from outside the US

9/11/2001

55th TSRC

Koury Convention Center
Greensboro, North Carolina

Host: Lorillard

504 Registrants, 87 from outside the US
It was Tuesday morning, at the 10:00 A.M. coffee
break . . .

9:45 A.M.
Washington, D.C. Evacuations

Evacuation begins at the White House and U.S. Capitol, where the House of Representatives and Senate are in session.
Evacuation of the Pentagon, official arrives at the security gate in the presence of rising buildings, bridges, and other public spaces.

9:58 A.M.
9-11 Call from Flight 93

Thirty-seven passengers make an attempt to have been made from hijacked Flight 93, most of which were hijacked within the hour of the plane. One of the last calls is made by passenger Edward P. Fort, who asks for an update. [more](#)



“Mark, this is your mom... The news is that it's been hijacked by terrorists.”
Mark Beggs, mother of Mark Beggs [more](#)

“Group some people and perhaps do the best you can to get control of it.”
Mark Beggs, mother of Mark Beggs [more](#)

9:59 A.M.
Collapse of the South Tower

After burning for 56 minutes, the South Tower collapses in 10 seconds. More than 800 civilians and first responders inside the building and in the surrounding area are killed as a result of the attack on the South Tower.

“I've never been in an earthquake, but I can imagine that's what it's like.”
Hippie California, Director Biddle and South, Health Tower
Bibi Noor [more](#)



South Tower collapse



Falling debris



Security footage, Federal Reserve Bank



The dust cloud

“The cloud of debris and dust came in our apartment.”
Janette Mackinley, lower Manhattan resident [more](#)

“I could hear these sounds, this sort of cracking—loud cracking. And it collapsed.”
Catherine Lauthold, independent photojournalist [more](#)

9:59 A.M.
Continuity of Government Procedures

Continuity-of-government procedures, established to protect high-level government officials during national emergencies, are implemented for the first known time in American history.

“We have a plan, we have trained people, we exercise it regularly, that if Washington isn't around, the U.S. government continues.”
—Richard A. Clarke, National Security Council counterterrorism coordinator, taped comments aired on September 11, 2001

10:03 A.M.
Crash of Flight 93

Four hijackers crash Flight 93 in a field near the Somerset County, Pennsylvania, after passenger cockpit. The 33 passengers... [more](#)



Flight 93 crash site



06

SOME FIRSTS

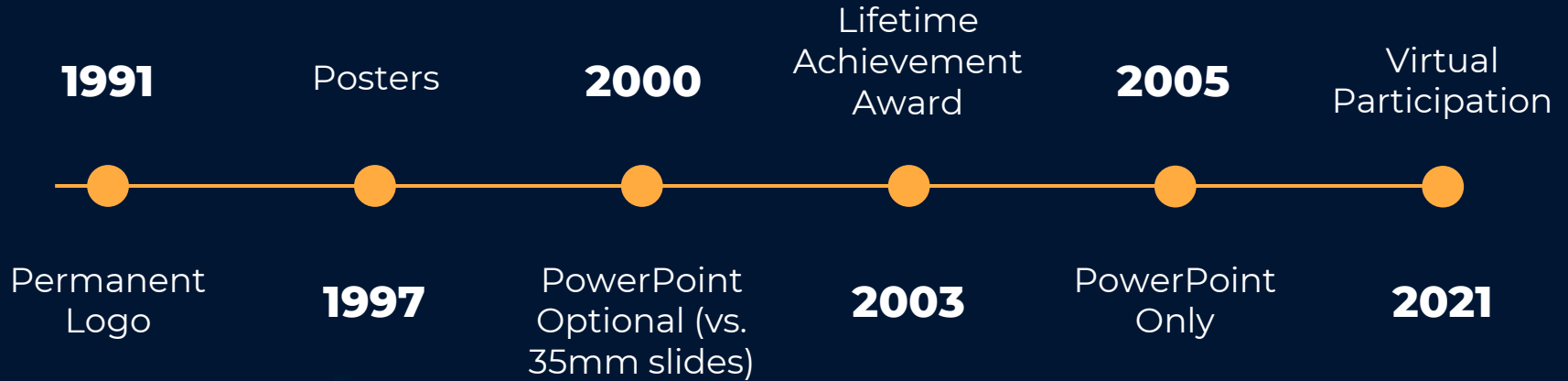
FIRST FIRSTS



MORE FIRSTS



LAST FIRSTS





07

**IMPORTANT
ELEMENTS**

DISTINGUISHED ACHIEVEMENT

The Philip Morris USA Award for Distinguished Achievement In Tobacco Science

The award was established in 1967 to recognize outstanding contributions to tobacco science. It is presented to a young tobacco scientist for outstanding achievement in either basic or applied science covering one or more of the following areas:

- Scientific achievement in the development of fundamental knowledge related to the growth, harvesting and curing of tobacco.
- Scientific achievement in the development of fundamental knowledge concerning the properties and qualities of tobacco and tobacco products.
- Scientific achievement in the development of methods for the evaluation of properties of tobacco and tobacco products.

Nomination for the award, which consists of a medallion and a cash award of \$10,000, may be made by anyone and must be submitted before March 1 of each year. Any resident of the United States under 45 years of age is eligible. The selection is made by an Award Committee appointed by the Editorial Board of Tobacco Science magazine. No employee of Philip Morris is eligible to be a member of the Award Committee.



Recipients are:

- 2002 **Dr. Thomas A. Melton**, North Carolina State University
2001 No award given
2000 **Dr. Charles S. Johnson**, Virginia Polytechnic Institute and State University
1999 **Dr. Joseph Chappell**, University of Kentucky
1998 **Dr. Bruce Fortnum**, Clemson University
1997 **Dr. Michael F. Bergerding**, R.J. Reynolds Tobacco Co.
1996 **Dr. H. David Shew**, North Carolina State University
1995 **Dr. Robert D. Miller**, University of Tennessee
1994 **Dr. D. Michael Jackson**, Research Entomologist, USDA-ARS
1993 **Dr. Douglas D. McRae**, Philip Morris USA
1992 **Dr. Michael W. Ogden**, R.J. Reynolds Tobacco Co.
1991 **Dr. Daniel M. Ennis**, Philip Morris USA
1990 **Dr. Mark T. Nielsen**, University of Kentucky
1989 **Dr. Bradley Ingebretsen**, R.J. Reynolds Tobacco Co.
1988 **Dr. George J. Wagner**, University of Kentucky
1987 **Dr. John O. Lephardt**, Philip Morris USA
1986 **Dr. Gordon H. Bokelman**, Philip Morris USA
1985 **Dr. Ray F. Seversen**, United States Dept. of Agriculture
1984 **Dr. Charles R. Green**, R.J. Reynolds Tobacco Co.
1983 **Dr. Jeffrey I. Seeman**, Philip Morris USA
1982 **Dr. Lowell P. Bush**, University of Kentucky
1981 No award given
1980 **Dr. Glenn B. Collins**, University of Kentucky
1979 **Dr. Shain-dow Kung**, University of Kentucky
1978 **Dr. Daniel Layten Davis**, University of Kentucky
1977 **Dr. Paul D. Legg**, United States Dept. of Agriculture
1976 **Dr. Gerald P. Morie**, Tennessee Eastman Company
1975 **Dr. Robert W. Jenkins Jr.**, Philip Morris USA
1974 **Dr. John Charles Leffingwell**, R.J. Reynolds Tobacco Co.
1973 **Dr. William H. Johnson**, North Carolina State University
1972 **Dr. George L. Steffens**, United States Dept. of Agriculture
1971 **Dr. Dale Frederick Matzinger**, North Carolina State University
1970 **Dr. Alexander White Spears III**, Lorillard Corporation
1969 **Dr. Charles B. McCants**, North Carolina State University
1968 **Dr. Charles H. Keith**, Celanese Fibers Company
1967 **Dr. Robert H. Cundiff**, R.J. Reynolds Tobacco Co.

The award is presented at the Tobacco Science Research Conference. There were thirty-four presentations of the award.

LIFETIME ACHIEVEMENT



The TSRC Lifetime Achievement Award

The award was created to honor distinguished scientists for a lifetime of outstanding contributions to any and all aspects of tobacco science research or development.

The TSRC Policy Committee reviews all nominations and selects award recipients.

Previous recipients are:

- 2003 – Alan Rodgman
- 2004 – Dietrich Hoffmann
- 2005 – T.C. Tso
- 2006 – Richard Baker
- 2007 – Earl Wernsman
- 2008 – Lowell Bush
- 2009 – Willard Wesley (Wes) Weeks
- 2010 – William K. Collins, Sr.
- 2011 – Harold Burton
- 2012 – Serban Moldoveanu
- 2013 – Dewitt Gooden
- 2014 – Michael W. Ogden
- 2015 – Michael F. Borgerding
- 2016 – George J. Wagner
- 2017 – Thomas A. Perfetti
- 2018 – F. Kelley St. Charles
- 2019 – Hubert Klus
- 2020 – No conference held
- 2021 – J. Daniel Heck

MR. DUKE'S TSRC CONTRIBUTION?



James Buchanan Duke, 1856-1925

Oil on canvas painting by John Da Costa
National Portrait Gallery, Smithsonian
Institution;
gift of T. Bragg McLeod

MR. DUKE'S TSRC CONTRIBUTION



James Buchanan Duke, 1856-1925

Oil on canvas painting by John Da Costa
National Portrait Gallery, Smithsonian
Institution;
gift of T. Bragg McLeod

- Anti-trust litigation broke up the Duke tobacco monopoly in 1911
- Early concern about perceived collusion if a company hosted
- **Host had to be academic institution, public agency, or association**
- Usually with major financial support from manufacturers or suppliers
- In existence more than 50 years, 1947-1999

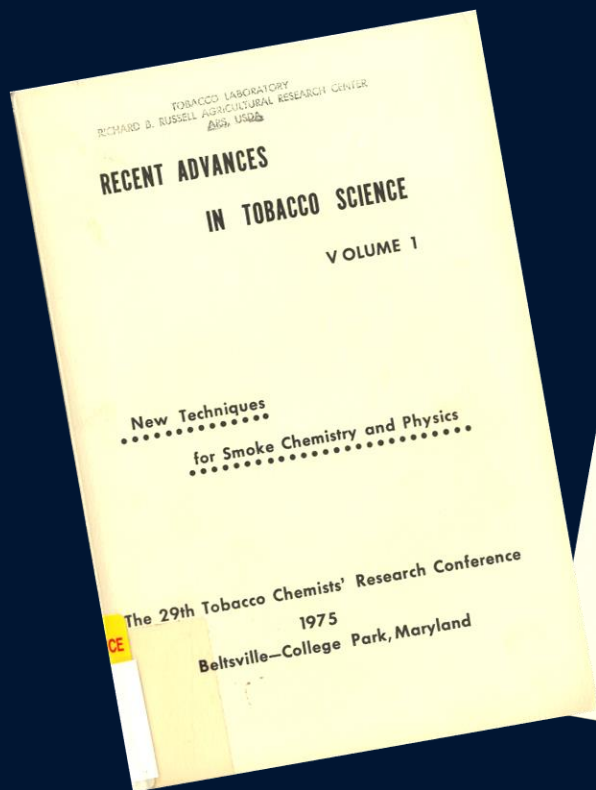
AW...RATS!

Quantitative Toxicology (by G. B. Oldaker III)

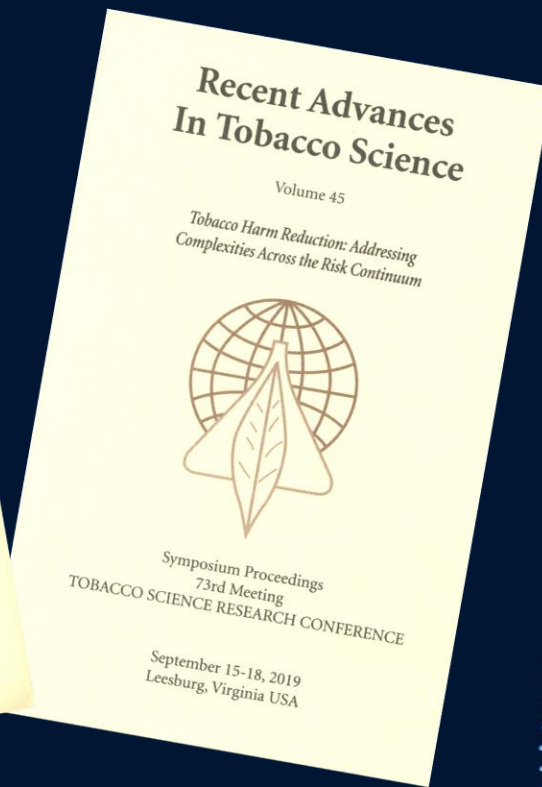


Is that 3 or 4?

AW...RATS!



First



Last

ANALYTICAL METHODS COMMITTEE (AMC)

Somewhat uncertain history
but a few facts are known:

- Formed 1952
- AMC Chairman also AOAC General Referee (GR) /Tobacco (at least from the '80s)
- Ray Severson (USDA-ARS) Chairman/GR 1987
- Wes Weeks (NCSU) Chairman/GR 1990-1991
- AOAC GR vacant 1996
- Harold Burton (UKy) Chairman/GR 1999-2006
- Richard Higby (Arista) Chairman 2007-2010
- 2011 AMC meeting scheduled (in program) but cancelled (at conference)
- Not mentioned thereafter; conclude AMC disbanded 2010

TAG

TAG ISO/TC 126¹

- TAG = Technical Advisory Group
- ISO = International Organization for Standardization
- TC = Technical Committee



TAG



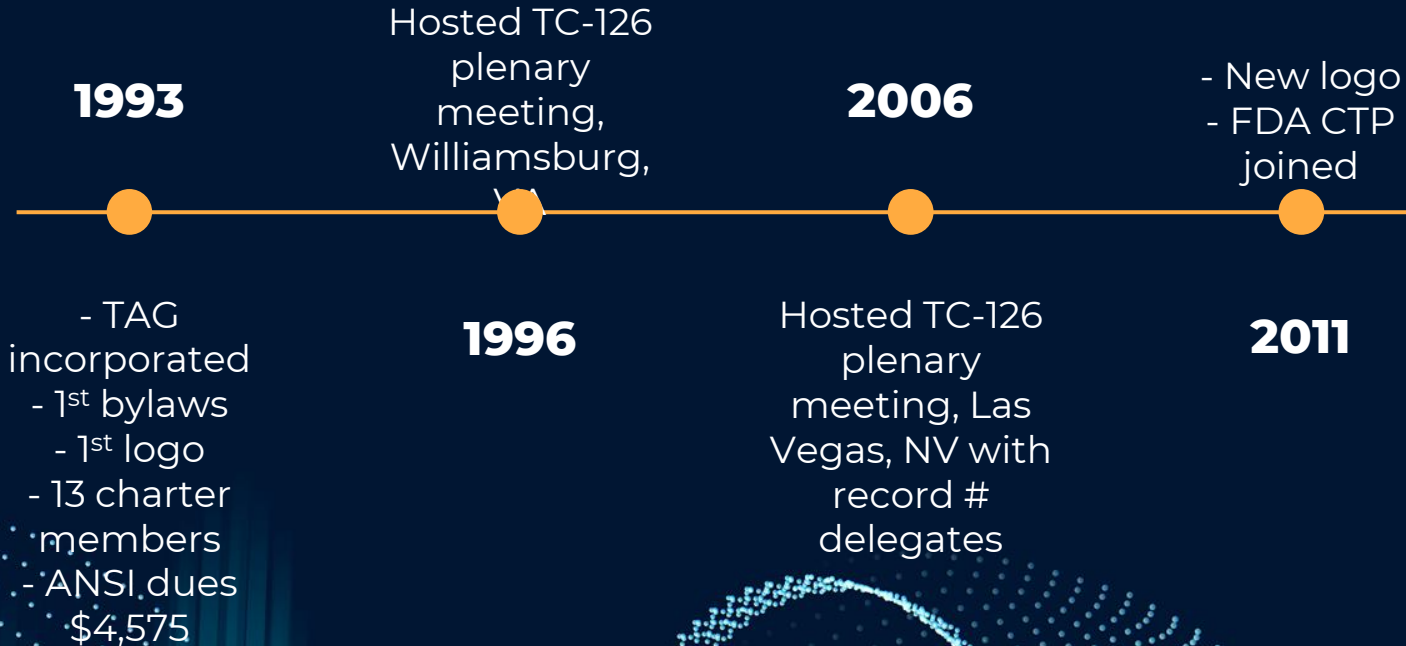
1993



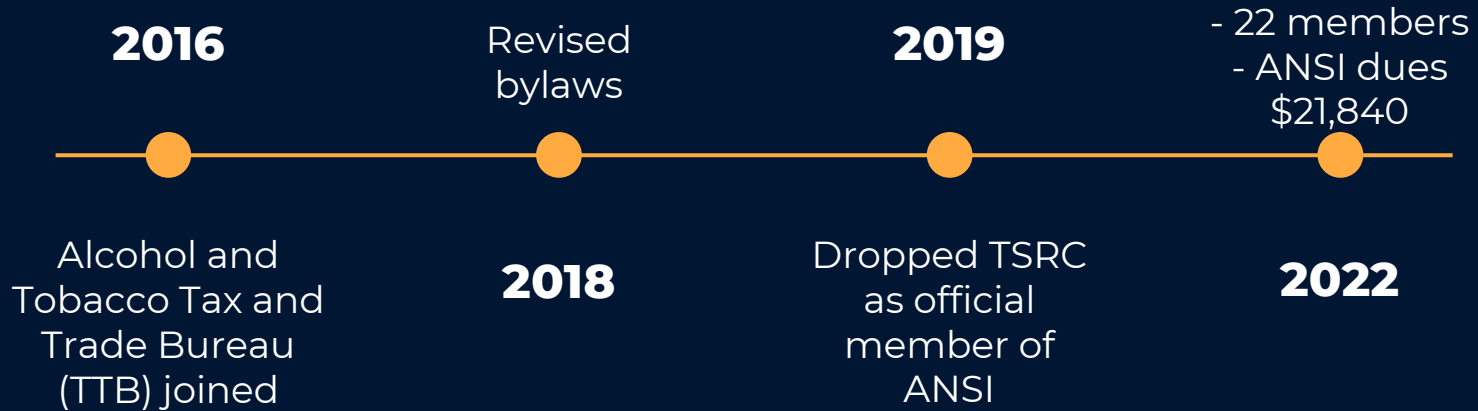
2011



'TAG'LINE 1



'TAG'LINE 2



TAG OFFICERS

Chairman

1993 – Adams, W. F. (Ecusta)
1993-1994 – Owens, William
(Ecusta)
1995-1997 – Lauterbach, John
(B&W)
1998-2003 – Fenner, Robert (PM
USA)
2004-2022 – Bunch, John
(Conwood/ASC)

Treasurer

1993-1996 – Green, Charles (RJRT)
1997-2016 – Ogden, Michael
(RJRT/RAIS)
2017-2022 – Hanna, Summer
(RAIS)

Secretary

1993 – Cox, Richard (PM USA)
1994 – Lauterbach, John (B&W)
1995-1996 – Cox, Richard (PM USA)
1997 – Fenner, Robert (PM USA)
1998-2000 – Bunch, John (Liggett)
2001-2003 – Mereand, Deborah
(Lorillard)
2004-2009 – Bennett, Cliff (UST)
2010-2015 – Self, David (Altria)
2016-2022* – Wagner, Karl (Altria)

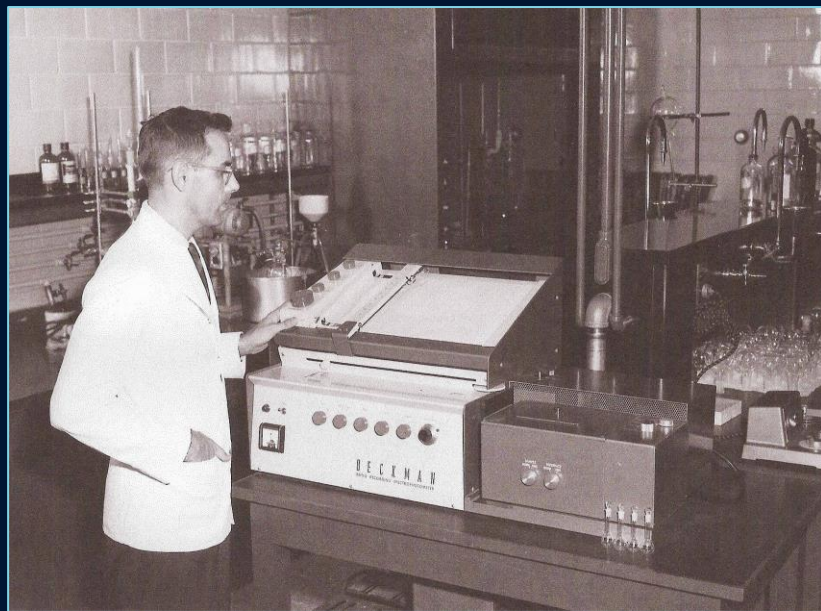
*Officer designation changed from Secretary to Administrator in 2018



08

**SOME THINGS
SPECIAL**

MENTORS



Dr. Alan Rodgman
(1955)

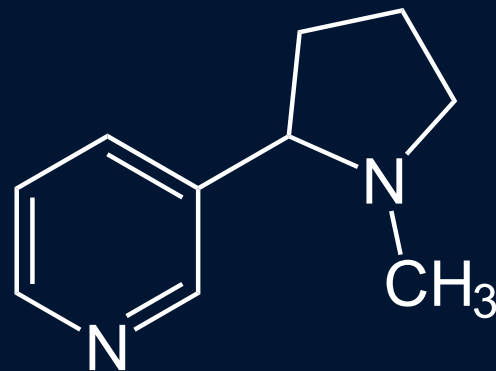


Dr. Charles Green
(~1980)

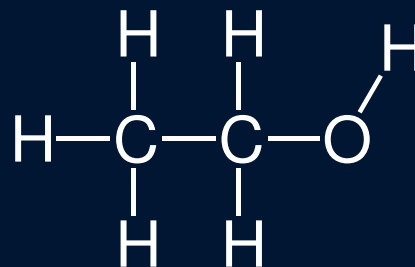
IT ALL STARTED WITH CHEMISTRY

What's the most
impactful chemical of
TSRC's history?

MOST IMPACTFUL CHEMICAL AT TSRC?



or



HOSPITALITY SUITE MISCHIEF



WHO'S THE TOP?



YOU'RE THE TOP

WORDS AND MUSIC BY COLE PORTER

MODERATO

E5 B5(9) E5 EDW B17

1. YOU'RE THE TOP!
2. YOU'RE THE TOP!

YOU'RE THE
YOU'RE MA-

B16 E5 CM

CO - LOS - SE - UM,
MA - MA GUAN - DI.

YOU'RE THE TOP!
YOU'RE THE TOP!

G7 A5

YOU'RE THE LOUVE' MA - SE - UM,
YOU'RE NA - PO - LEON BRAN - DY.

YOU'RE
YOU'RE THE

F#7 B17 E5 B5/D CM

MEL - O - DY - FROM A SIM - PHO - NY BY STRAUSS. YOU'RE A
PUR - PLE LIGHT, OF A SUN - MER NIGHT, IN SPAIN. YOU'RE THE

D CM C9 F7 B59 EDW

BEN - DEL BOU - NET, A SUAS - SPEARE SON - NET, YOU'RE MACK - Y MOUSE.
NA - TION' GAL - L'ET, YOU'RE GAR - BU'S GAL - 'ET, YOU'RE CEL - LO - PHANE.

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AND THEN THERE WAS GOLF

To increase networking opportunities, a golf tournament was introduced in 2001.



AND THEN THERE WAS GOLF

To increase networking opportunities, a golf tournament was introduced in 2001.



A handwritten scorecard from a Titleist event titled "T.S.R.C.". The card lists names, times, and scores. The winner is Kyle Brown with a score of 61. Other names listed include Wilson, Lytton, Brown, Kyle, Ogdren, and Riddy Brown.

Name	Time	Score
WILSON	11:00	67
LYTTON	11:09	64
BROWN	11:18	65
KYLE	11:27	67
BROWN, KYLE	11:36	1 ST PLACE - 61

LONG DRIVE #2 / OGDREN #10 / KIRK BROWN
CLOSEST TO THE PIN #3 / LYTTON #6 / KYLE BROWN
#11 / SEI F #11 / RIDDY BROWN

2007 TSRC – Charlotte



2005 TSRC – Atlanta



2010 TSRC – Hilton Head



08

**BACK TO THE
FUTURE?**

US GOVERNMENT INTERESTS



- USDA-ARS scientists heavily involved in establishing TSRC
- Great participation for nearly half a century
- USDA terminated appropriations for tobacco research in 1994; participation vanished



- FDA-CTP established and heavily funded since 2009
- Active participation in TSRC for over a decade
- Much interest and work presented in recent years attributable to regulatory science inquiries and requirements

**“Sometimes the light's all shinin' on me
Other times, I can barely see
Lately, it occurs to me
What a long, strange trip it's been.”**

—Grateful Dead, Truckin', 1970



HAPPY 75TH, TSRC!

**With all best wishes and many
thanks for continuing to
provide a forum for the
exchange of ideas among
tobacco scientists.**



75th
JUBILEE



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Lewisville, North Carolina
ogden.ology@protonmail.com

CREDITS: This presentation template was created by Slidesgo, including icons by Flaticon, and infographics & images by Freepik.

