

Tay-Sachs & Allied Diseases

2015



Imagine all the children free of
Tay-Sachs and Allied Diseases.

Start this new year with
the test for life - Be Tested!

**National Tay-Sachs & Allied Diseases Association
New York Area**

thanks

Sue and Gus Sirot

**for their dedication to the success of this calendar
and for their annual contribution
which pays for the printing**

This Calendar -Journal is dedicated to the beloved memory of

Frances Berkwits

If you were lucky enough to have spent time with Fran, then you would know how devoted she was to NTSAD, its mission and most importantly to the families. She was soft-spoken but firmly intelligent, with a mind for details that was beyond impressive.

Fran began her journey with NTSAD in the 1950s when she worked with families whose children were at Kingsbrook Jewish Medical Center in New York. With the advent of carrier testing and prenatal diagnosis in 1969, Fran's work expanded to include community and carrier testing programs in the New York area. Her work as a genetic counselor and social worker was invaluable to the NTSAD family. She attended many family conferences, board meetings and many other genetic-related organization conferences. At every opportunity and at every board meeting, Fran articulately reminded us about the need to stay vigilant in the areas of awareness and carrier screening to successfully prevent new diagnoses of our diseases. She was always a woman with a purpose.

Her time serving on the NTSAD National Board of Directors, the NTSAD Scientific Advisory Committee, the NTSAD New York Area Chapter Board, and the Jewish Genetic Disease Consortium Board will forever be appreciated.

We remember Fran with great admiration and gratitude for her tireless commitment to the prevention of Tay-Sachs and related genetic diseases.

We could not have done it without her.

With Special Thanks To

The Board of Directors NTSAD New York Area

Dedicated to the elimination of Tay-Sachs and the Allied Diseases

Raising awareness for prevention

Supporting Family Services

Funding Research

Volunteering together - a true labor of love

Always making a difference for more than 50 years!

Historical Perspective On Tay-Sachs & Allied Diseases

- 1881 - Dr. Warren Tay, British ophthalmologist, describes first recorded case of Tay-Sachs disease.
- 1887 - American neurologist, Dr. Bernard Sachs, describes neurology of Tay-Sachs disease.
- 1942 - Chemistry professor Ernst Klenk of Cologne describes accumulation of gangliosides in brain tissues of affected children.
- 1957 - Founding of National Tay-Sachs & Allied Diseases Association, Inc. (NTSAD) by parents committed to eradication of Tay-Sachs disease and 40 allied disorders; Ruth Dunkell, President. Scientific Advisory Committee formed by Samuel Dunkell, MD.
- 1958 - Samuel Dunkell, MD and his wife, Ruth proposed a research ward at Jewish Chronic Disease Hospital (now Kingsbrook Jewish Medical Center) in Brooklyn, NY. Dr. Dunkell proposed international symposia for research scientists and organized the first genetic counseling program, with Frances Berkwitz, MS, as the genetic counselor. First International Symposium, funded by NTSAD and chaired by Dr. Bruno Volk, exclusively devoted to cause and treatment of Tay-Sachs and Sphingolipidoses.
- 1962 - Lars Svennerholm, Biochemistry Professor at Gothenberg, identifies and characterizes ganglioside GM2 - a possible explanation for Tay-Sachs disease.
- 1965 - Dr. Roscoe Brady of NIH identified the chemical defect in Gaucher's and Niemann-Pick diseases.
- 1969 - Drs. Shintaro Okada and John O'Brien at University of California pinpoint absence of Hexosaminidase A in Tay-Sachs children, lower than normal level in parent carriers.
- 1970 - Drs. Larry Schneck, Bruno Volk and Carlo Valenti at Kingsbrook, Brooklyn, N.Y. use amniocentesis to diagnose Tay-Sachs disease in utero.
- 1971 - Funded by NTSAD, Michael Kaback, MD conducts mass community screenings to identify Tay-Sachs carriers took place in Baltimore and New York. Tay-Sachs disease was established as the first genetic disease meeting criteria necessary for public prevention programs.
- 1971 - Michael Kaback, MD and Robert S. Zieger, MD - with the help of the National Capital Tay-Sachs Association, conducted the first community-based screening in Bethesda, Maryland to identify carriers of the gene for Tay-Sachs disease. Similar testing followed in the Baltimore and Greater Washington, DC area. Within two years, similar efforts were initiated in Toronto, Montreal, Philadelphia, Milwaukee, Miami, Minneapolis, Cleveland, Boston and New York. Tay-Sachs disease was established as the first genetic disease meeting criteria necessary for public prevention programs.
- 1973 - Michael Kaback, MD created the California Tay-Sachs Prevention Program and International Quality Control Reference Standard and Data Collection Program for Tay-Sachs disease carrier testing.
- 1975 - First International Conference on Tay-Sachs Disease: Screening and Prevention held in Palm Springs, CA, funded by NTSAD and the March of Dimes. Proceedings were published in a book "Tay-Sachs Disease: Screening & Prevention", edited by Dr. Michael M. Kaback, Dr. John O'Brien, and Dr. David L. Rimoin.
- 1976 - "First International Tay-Sachs Carrier Screening Workshop " Toronto, Canada, organized by J. A. Lowden, MD, PhD and Michael M. Kaback, MD, funded by NTSAD and the National Institutes of Health.
- 1981 - NTSAD sponsors workshop session. "Tay-Sachs Disease: Progress in Testing and New Approaches" at the 32nd Annual Meeting of the American Society of Human Genetics, held in Dallas, TX.
- 1981 - Michael Kaback, MD creates International Quality Control Program for Tay-Sachs Disease testing and California Tay-Sachs Prevention Program.
- 1983 - Dor Yeshorim, a unique Tay-Sachs carrier screening program serving the Orthodox Jewish community, founded by Rabbi Josef Ekstein and Robert J. Desnick, PhD, MD.
- 1983 - Thomas Jefferson University School of Medicine, Philadelphia, PA, Michael Reese Hospital, Chicago, IL and the Mount Sinai School of Medicine, New York, NY use chorionic villi sampled from the placenta, in utero to diagnose fetal Tay-Sachs disease in the first trimester of pregnancy.
- 1987 - Centennial of Dr. Bernard Sachs' description of first American patients with Tay-Sachs disease observed by an International Scientific Conference in New York, published as Volume 44 of "Advances in Genetics - Tay-Sachs Disease", edited by Dr. Robert J. Desnick and Dr. Michael M. Kaback.
- 1992 - NTSAD sponsors first-ever conference for individuals and families affected by Late Onset Tay-Sachs disease: a rare form of Tay-Sachs disease affecting adults.
- 1993 - Dor Yeshorim, a unique Tay-Sachs carrier screening program serving the Orthodox Jewish community, observes one decade of service; more than 40,000 people tested.
- 1998 - More than 1,331,000 young adults screened and almost 700 healthy babies born to high risk couples as a result of Tay-Sachs carrier testing.
- 2002 - NTSAD launches the Research Initiative which disburses grants for cutting-edge research projects that can lead to treatment and cure for lysosomal or leukodystrophy diseases impacting the central nervous system.
- 2007- Present -NTSAD awards grants to the Tay-Sachs Gene Therapy Consortium Research Project for animal research to treat Tay-Sachs and Sandhoff diseases.
- 2009 - National Institutes of Health awards \$3.6 million four year grant to the Tay-Sachs Gene Therapy Consortium Research Project.
- 2009 - Discovery of naturally occurring Tay-Sachs disease in rare Jacob Sheep. Carrier sheep donated to NTSAD by sheep farmers Fred & Joan Horak for inclusion in the Tay-Sachs Gene Therapy Research Project.
- 2002 - Present - NTSAD continues to fund promising innovative research, through it's Research Initiative, for neurodegenerative diseases that affect the central nervous system.

NTSAD - Making a Difference

Our Mission

The mission of the National Tay-Sachs & Allied Diseases Association is to lead the fight to treat and cure Tay-Sachs, Canavan and related genetic diseases and to support affected families and individuals in leading fuller lives. We will accomplish our mission by funding global cutting edge research, by helping to provide families with compassionate care and support and by collaborating effectively with the healthcare community to achieve our goals.

Our Vision

- Direct, fund and promote research to develop treatments and cures
- Provide comprehensive support services to affected families and individuals
- Guide prevention, education, awareness and screening through effective grassroots collaborations with chapters and affiliates
- Lead advocacy efforts as the recognized authority for this family of genetic diseases

The related genetic diseases include over 50 lysosomal storage diseases and over 40 leukodystrophies.

Caring for Families

A big part of NTSAD's mission is to support families in a variety of ways throughout the year to promote emotional healing, engagement and empowerment. We cultivate a strong family network as an essential component of comprehensive support services, and plan to expand our system of mentors.

NTSAD's unparalleled family support network extends worldwide with over 750 members. Through a confidential network, new members share knowledge about home care, medical obstacles, and coping with the daily struggles caring for a loved one with a rare genetic disease.

The annual family conference held every spring brings together families, affected children and adults, healthy siblings, caregivers, and medical and research professionals. It is an invaluable resource for families who look to one another and to professionals for advice, support and community.

As a result of our current strategic planning process, we have a goal to develop a "family management system." It will enable our Family Services team to support families as they move through their illness journey -- essentially helping families and affected individuals anticipate what is coming and what they can do to best prepare and cope.

Prevention Through Education and Carrier Screening

NTSAD receives calls every week to help couples and individuals navigate the complicated world of genetic screening. Anyone can be a carrier, regardless of background, although Ashkenazi Jews, French Canadians, Cajuns, Irish-Americans are at a higher risk for being Tay-Sachs carriers. NTSAD partners with other organizations to educate physicians and the public about Ashkenazi Jewish Genetic diseases, and is involved in the Irish Carrier Screening Rate Study.

Going forward, we plan to advocate for carrier screening, universal population screening, as well as newborn screening. We will educate our supporters about carrier screening and expanded screening for our group of diseases as new trends evolve.

Leading the Fight in Research

NTSAD launched its Research Initiative in 2002 to fund innovative research for neurodegenerative diseases that affect the central nervous system. NTSAD funds promising research and programs that may lead to major grant support and with the potential to reach clinical trials.

Forty grants, totaling \$3 million have been awarded through the NTSAD Research Initiative program and an additional 13 grants through the former Lysosomal Storage Disease Research Consortium. These grants have led to NIH grants of more than \$10 million toward finding a cure. These grants have supported research in a number of allied diseases including the gangliosidoses (Tay-Sachs, Sandhoff, GM1), Canavan, Batten, and Krabbe diseases. The projects funded include gene therapy, stem cells, enzyme enhancement, biomarkers and natural history studies.

The Tay-Sachs Gene Therapy Consortium continues its work toward clinical trials. They have successfully identified new vector formulations that yield increased enzyme expression in the brain with little or no evidence of neurological changes compared to controls. These vectors have successfully been tested in animals in short-term studies. The next steps will plan for production of the vectors for further toxicology studies, meetings with the FDA, and regulatory filings before initiating human clinical studies.

As a result of the strategic planning process, the Research Initiative will still encompass basic and translational research, although it will now prioritize "Clinical Trial Readiness" with the increased possibility of new therapies. Therefore, in addition to soliciting proposals for novel research projects, we will strongly encourage proposals that address disease progression and natural history, development of patient registries, biomarkers, clinically meaningful efficacy endpoints for clinical trials and newborn screening.



This Annual “Day of Hope” Event to Fund Research brings NTSAD families and their communities together for one day every September. From California to England, hope is shared through pancakes, glasses of lemonade, plates of spaghetti and many miles walked.

It is imperative to keep hope alive by funding important research work that could potentially lead to an effective treatment for these rare diseases. Funds raised on these Days of Hope go directly to funding NTSAD’s Research Initiative.

Over \$120,000 has been raised since our First Annual Day of Hope on September 18, 2011.

MARK YOUR CALENDAR FOR THE FIFTH ANNUAL DAY OF HOPE ON SEPTEMBER 19, 2015!

A FAMILY GATHERING

The NTSAD Annual Family Conference is the cornerstone of our exceptional Family Support Services. It provides over 200 parents, grandparents, affected children, healthy siblings, affected adults and their families the unique opportunity to:

- Gather with people that truly understand;
- Learn about latest research and symptom management approaches;
- Discuss other important topics.



CONFERENCE GOALS

The primary goals of the conference are to empower, support and connect families coping with Tay-Sachs, Canavan, GM-1 or Sandhoff. These diseases are always fatal in children and extremely debilitating in adults. The Annual Family Conference directly achieves our mission to support affected families and individuals in leading fuller lives.

HELPING HANDS PROGRAMS

Another important goal of the conference is to ensure every family is able to attend the conference especially those who cannot afford it. This goal is achieved through the Helping Hand Grant Program. Each year approximately \$40K is raised through donations and grants. Every dollar raised is awarded directly to families in-need to help cover the expense of attending. Scholarships range in size from covering one night at the hotel to covering hotel, registration and travel expenses for the entire family. Each grant application is considered on an individual basis and priority is given to newly diagnosed families, families that have not attended before, and families that have lost their loved one in the past year.

NTSAD 2014 Highlights

- NTSAD awarded a Research Initiative Grant to BioStrategies, LC with David Radin, PhD as Principal Investigator for the project, "Lectin-assisted transnasal delivery of corrective enzyme for GM1 gangliosidosis."
- NTSAD's Board of Directors developed a five-year Strategic Plan This plan outlines how NTSAD will advance research for treatments, better serve our families, and promote accurate and effective carrier screening.
- NTSAD formed a Corporate Advisory Council (CAC). The CAC, through its collective industry expertise, serves as a resource to NTSAD to advance its research agenda and help to position NTSAD as an attractive partner to industry.
- The NTSAD New York Area Chapter transferred its administration to the national office of NTSAD. The chapter's focus on education, awareness and research will remain in the Tri-State Area. Marion Yanovsky and the work of the chapter was celebrated in May.
- In July, members of NTSAD's Science Advisory Committee (SAC) and clinicians from industry gathered at a GM2 Clinical Research Meeting. Their goal is to collaborate to expedite clinical trials for GM2 and related diseases.
- Dr. Douglas Martin and his colleagues at Auburn University completed a three year study on sheep with Tay-Sachs disease (TSD). They conducted safety and efficacy studies of AAV gene therapy in the sheep and will continue to optimize gene therapy in the sheep model of TSD.

NTSAD 2015 Initiatives

- Research
 - Plan and drive next steps in achieving Clinical Trial Readiness
 - Organize and host Scientific Symposium & Workshop in April, 2015
 - Support and help to identify the options for a path forward to clinical trials for the Tay-Sachs Gene Therapy Consortium
- Family Services
 - Launch Rare Siblings Project
 - Complete roadmap document for NTSAD's major diseases
 - Support families as they move through their child's illness journey
- Education/Prevention
 - Participate in pan-ethnic carrier screening initiatives as new guidelines are introduced

Research Update

What is the NTSAD Research Initiative?

NTSAD has funded research since its beginnings in the 1950s. It led to the discovery of the Tay-Sachs gene and the subsequent advent of carrier screening. In 2002, the Research Initiative was formalized and began funding cutting-edge research and collaborating with other rare disease groups to make the most of the grants. **Over \$3 million has been raised cumulatively for research since the Research Initiative began in 2002.** The onset of advancing technologies took research to a new level and the formation of the Tay-Sachs Gene Therapy Consortium in 2007 changed the landscape of NTSAD's research portfolio.

Now, the future of the Research Initiative will encompass not only basic and translational research, but it will also focus on clinical trial readiness as the possibility of new therapies shine on the horizon. One component of clinical trial readiness are natural history studies. A natural history study gives researchers a clear picture of how a disease advances and how to measure the effectiveness of a therapy. The article below summarizes the natural history studies of our family of diseases conducted to date, much of which has been funded by NTSAD.

Natural History Studies: An Important Part of Getting Ready for Clinical Trials

by Allison Bradbury, PhD and Staci Kallish, DO

NTSAD, to date, has made over \$354,000 in grants for natural history studies and has helped in gathering essential data for the studies. Data collected from natural history studies is garnering importance as success in research moves us closer to initiating clinical trials. It is vital to have a baseline knowledge of the disease progression from which to measure the success of therapy. Researchers are conducting these vital natural history studies and collecting fundamental data to inform clinical trials. Furthermore, natural history studies provide valuable information to families and clinicians to help manage these difficult diseases. Natural history work is ongoing for many of our diseases with the aim of preparing to fund and conduct more natural history studies in preparation for future clinical trials.

In 2011, Dr. Florian Eichler's group, at Massachusetts General Hospital in Boston, published an unprecedented natural history study on infantile GM2 gangliosidosis

- The study included data on symptom onset and disease progression of 92 patients with infantile GM2 (Sandhoff and Tay-Sachs disease) that were surveyed through NTSAD.
- The mean age at onset of earliest symptom was 5.0 ± 3.3 months and the average age at diagnosis was 13.3 ± 5.3 months. The most common initial symptoms were developmental arrest (83%), abnormal startle response (65%), and low muscle tone (60%).
- 98% of patients had seizures and the majority required multiple seizure medications, 75% of patients were partially or completely fed by G tube, and 88% required regular suctioning.
- Based on this study the researchers were able to develop a clinical severity scoring system based on the time at which milestones are lost and new symptoms arise.

Dr. Eichler's group also completed a natural history study further characterizing juvenile and adult-onset types of Late Onset Tay-Sachs (LOTS).

- Retrospective data on symptom onset and progression was acquired from 55 patients that were surveyed through NTSAD.
- The most common initial symptoms were the same in juvenile and adult LOTS and included difficulty running, speech abnormalities, impaired gross motor skills, inability to climb stairs, and impaired fine motor skills.
- The median time of onset of symptoms to becoming wheelchair-bound was 4 years in juvenile patients and 26 years in adult patients. Similarly, juvenile patients lost the ability to climb the stairs in the 1st decade of life, while adult patients lost this ability in the 3rd or 4th decade of life.
- Further defining the disease progression between juvenile and adult-onset LOTS will provide important information for patients, their families, and clinicians in managing and tracking this disease.

Dr. Cynthia Tifft, at NIH, has conducted a natural history study on patients with GM1 gangliosidosis.

- Repeated MRI scans of 5 late infantile GM1 patients showed rapid and similar progression from the first scan (median 6.5 months from onset of symptoms) to the second scan (median 43 months from onset of symptoms).
- In contrast, serial MRI evaluation of 10 juvenile GM1 patients did not show significant changes in the severity of the MRI score over the course of the study.
- Dr. Tifft is also conducting magnetic resonance spectroscopy (MRS), which uses another type of imaging. She has found alterations of brain metabolites such as NAA, a molecule present in neurons, in GM1 patients.
- Alterations of MRI and brain metabolites determined by MRS could provide a non-invasive manner to track disease progression in affected children and measure therapeutic efficacy in clinical trials.

A natural history study for the gangliosidoses is also currently underway at the University of Minnesota led by Dr. Chester Whitley. It is a natural history study in which researchers hope to collect multiple sets of information from patients over time. They hope to include 15 Tay-Sachs disease/Sandhoff disease and 15 LOTS disease patients. This study will help researchers to better understand disease progression and continue to develop objective measures of disease severity.

Dr. Paola Leone was a principal author on a 2006 Canavan Disease natural history publication (Neuropediatrics 2006; 37: 209-221). This study was designed to model the natural history of Canavan disease using MRI and proton magnetic resonance spectroscopy (1H-MRS - another type of imaging). Researchers were able to demonstrate elevation of nerve specific brain metabolite, NAA, and glial cell (another important type of cell in the brain), specific metabolite, myoinositol. This study also used MRI to quantify changes in myelin formation and brain atrophy in specific regions of the brain. There is interest in building on this research to be able to monitor future studies involving drug, gene therapy, or stem cell treatments.



Jacob Sheep

Three Year Study Completed



Dr. Douglas Martin and his team of researchers at Auburn University have recently completed a three year study on sheep with Tay-Sachs disease (TSD). In addition to further characterizing this disease model, Martin's group conducted safety and efficacy studies of AAV gene therapy in the TSD sheep. Since the sheep have a mutation in the HEXA gene (and subsequent deficiency of Hexosaminidase A (HexA) protein), this is an authentic model of Tay-Sachs disease. Furthermore, the large brain size of the sheep allows researchers to confront certain challenges of gene therapy, including brain targeting and distribution.

The Details

- TSD sheep were treated by direct brain injection of AAV vectors encoding Hex.
- There were three different AAV vector designs and two different doses tested in the TSD sheep.
- TSD sheep were treated after the onset of symptoms in the mild to moderate disease stage.
- Both short and long-term AAV gene therapy studies were conducted.

The Results

Survival

- Untreated TSD sheep had a disease onset of less than two months of age and lived an average of 9.1 months.
- When all AAV treated TSD sheep were combined (all vector designs and doses), average lifespan was 13 months of age, a 43% increase.
- The most successful AAV treatment group had a mean lifespan of 14.3 months, a 57% increase.

MRI and brain pathology

- MRIs were conducted on normal, untreated TSD sheep, and AAV treated sheep with a very high magnetic field (7 Telsa), allowing for superior quality brain images.
- MRIs showed that many changes caused by disease, including loss of myelin, were improved after AAV gene therapy.
- Untreated TSD sheep brains showed pronounced neuroinflammation upon histological examination (inflammation of brain tissue seen when looking at the brain with a microscope). AAV gene therapy was found to decrease but not fully prevent this response.



Enzyme activity/storage reduction

- As expected, levels of therapeutic enzyme were highest at the injection site and decreased with distance from the injection.
- With both dosages of the most promising vector design, all areas of the brain near the injection site had levels of enzyme above normal. In the more distal cerebellum (part of the brain that controls movement), enzyme levels were near normal with higher dose but substantially lower with the lower dose.
- Only the cervical region (closest to the brain) of the spinal cord showed Hex levels above background, and only the higher dose vector reached normal levels in this region. Complementary studies in Sandhoff disease cats produced much better distribution of enzyme to the spinal cord, which could be one factor in improved survival seen in cats.
- Ganglioside storage product was reduced in all areas of the brain near the injection site, but not significantly reduced in distant brain regions (i.e. cerebellum) or spinal cord. This was not surprising since the therapeutic Hex enzyme did not sufficiently reach these areas.
- Enzyme activity was low in all tissues analyzed outside the central nervous system (liver, heart, spleen, small intestine, and kidney). This is also different from AAV treated Sandhoff cats, in which enzyme activity can reach >50% of normal activity in some tissues and may account for longer survival in the cats.

Going Forward

- One gene therapy treated sheep is still alive and doing well at almost 1.5 years of age and continues to be monitored regularly.
- The flock was moved from Texas to Auburn University in May of 2013, which will allow the project to grow.
- The veterinarians at Auburn University had a very successful first breeding season with 13 lambs already born and two more expected in the near future.
- Dr. Martin and his team of researchers will continue to optimize gene therapy in the sheep model of TSD, primarily focusing on better distribution of the enzyme to more distal brain regions (cerebellum) and the spinal cord.

NTSAD has provided grants of more than \$300,000 to nurture the flock that has made enormous contributions to the gene therapy research project.



AN OPPORTUNITY TO ADOPT & CARE FOR JACOB SHEEP!



NTSAD hopes to further the research to find a treatment and cure for Tay-Sachs disease with our Jacob Sheep Project. Tay-Sachs disease is present in the population of a rare breed of sheep called Jacob Sheep. The genetic makeup of these sheep is very similar to humans in the way that matters most for solving the mystery of Tay-Sachs disease. Funds must be raised to help care for the Jacob Sheep. There are now 30 carrier sheep that are part of the Tay-Sachs Gene Therapy (TSGT) Consortium research project. The sheep have been transported to Auburn University where the research is being carried out. You can help care for these sheep or even adopt a sheep in the following ways.

Make a gift	<input type="checkbox"/> \$125 to adopt a sheep	<input type="checkbox"/> \$1,000 to name a Jacob's lamb
Feed the flock	<input type="checkbox"/> \$500 for four months	<input type="checkbox"/> \$250 for two months <input type="checkbox"/> \$125 for one month
Care for the flock	<input type="checkbox"/> \$1,500 for one year	<input type="checkbox"/> \$750 for six months

If you adopt or name a sheep you will receive a certificate with a photo of your Jacob sheep.

Yes, I would like to support the Jacob Sheep Program. Enclosed is my donation of \$_____ to NTSAD.

Print Name: _____

Address: _____

City, State, Zip: _____

E-mail: _____

Phone: _____

Enclosed is my check payable to NTSAD for \$_____. If you prefer, we accept VISA/MASTERCARD/AMEX/DISCOVER

CARD NUMBER _____ EXP. DATE _____

SIGNATURE _____

MAIL COMPLETED FORM TO: NTSAD, 2001 BEACON STREET, SUITE 204, BOSTON, MA 02135

Carrier Screening For Tay-Sachs & Allied Diseases

We are all carriers of recessive genetic diseases but standard healthcare practices do not screen everyone for all diseases because the technology does not yet exist to accurately and cost effectively screen everyone. Your doctor and/or genetic counselor can help determine, based on your family history and heritage, which diseases you are at risk to carry.

It is highly recommended to pursue carrier screening *before* pregnancy because the hormones can reduce the test accuracy and screening while pregnant limits reproductive options.

There two types of carrier screening tests: DNA and enzyme (biochemical). Tay-Sachs and Sandhoff carrier screening can be performed using DNA and enzyme testing. *A combination of both DNA and enzyme are recommended for the most accurate results.*

DNA (Molecular) Screening

DNA carrier screening detects specific known mutations that are "looked" for in the test. A negative DNA carrier result reduces the risk that you are a carrier, but does not eliminate your chances of being a carrier because of the possibility you carry an unknown mutation or one not "looked" for in the test.

Enzyme (Biochemical) Screening

Biochemical testing is also referred to as an enzyme assay. It detects the level of enzyme in the blood. Enzyme assays can be done using serum or leukocytes isolated from blood.

Serum testing is the standard test but leukocyte testing is recommended when the person being screened is pregnant, on birth control pills or taking any medications that affect hormones; all of these situations can potentially interfere with the accuracy of the serum test.

NOTE: A combination of DNA and enzyme testing is strongly recommended for Tay-Sachs screening for the most sensitive and accurate results. View the [NTSAD Position Statement on Tay-Sachs Screening](http://www.ntsad.org) at www.ntsad.org

**NEW CARRIER TESTS MAY BECOME AVAILABLE
CHECK WITH YOUR PHYSICIAN OR GENETIC COUNSELOR FOR THE MOST UP-TO-DATE INFORMATION**

Visit www.ntsad.org for information about the diseases, where you can be screened, and for additional resources.

NTSAD 2001 Beacon Street #204 - Boston, MA 02135 - (800) 906-8723 - Email: info@ntsad.org



Are you of Irish descent?

Are you aware you may be a carrier for Tay-Sachs Disease?

There is a higher carrier rate for Tay-Sachs disease in people with Irish ancestry, but no exact risk number has been determined.

Researchers in Philadelphia at Einstein Medical Center's Genetics Division are conducting a study to determine an accurate carrier rate for Tay-Sachs disease in the Irish population and to also identify the most common gene changes within this group.

Participation in this study will help protect future generations of Irish families from the tragedy of Tay-Sachs disease.

Your participation will also provide you with valuable information about your own carrier status so that you can make informed decisions for a healthy family. If you have at least 3 Irish grandparents and are 18 years or older, you may be eligible to receive FREE carrier screening for Tay-Sachs disease.

At no cost to you, this study will provide you with your carrier status for Tay-Sachs disease and genetic counseling to explain your results and answer your questions. One simple blood test is all that is needed to participate!

**To participate in the study contact
Amybeth Weaver, MS, CGC at irish@tay-sachs.org or call 215-887-0877.**

This study is funded through the generous support of

*The Albert Einstein Society
National Tay-Sachs & Allied Diseases Association of Delaware Valley (NTSAD-DV)
National Tay-Sachs & Allied Diseases Association New York Area*



December 2014

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January 2015

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WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

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In Loving Memory of
Harrison Hoffman

“A Person’s a Person
No Matter How Small”

Love,
Mommy, Daddy & Jake

January 2015

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March 2015

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22	23	24	25	26	27	28
29	30	31				

February 2015

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

1	2  Alyson Lifshitz GROUNDHOG DAY	3  Bernard Finkel	4	5	6  5:01	7								
8	9  Nicole Mansour Dzitire	10	11  Brayden Harris Greenhut  Binyamin Naftalowitz	12  Bobby Handwerker  Tzvi Naftalowitz  Caroline Zamel	13  5:09	14  Bryan Zachery Roden VALENTINE'S DAY								
15	16 PRESIDENT'S DAY	17  <i>Dave & Esmeralda Sirof</i>	18	19	20  5:18	21  Reese Goldstein								
22  Brian Markinson	23  Steven Yanovsky	24  Sheila Cohen	25	26  Adam Davis	27  5:26	28								
<div style="border: 1px solid black; padding: 5px;"> <p>In Memoriam</p> <table border="0"> <tr><td>Sydney Levy</td><td>February 9</td></tr> <tr><td>Charlotte Stark</td><td>February 11</td></tr> <tr><td>Harrison Hoffman</td><td>February 17</td></tr> <tr><td>Bernard Gecht</td><td>February 24</td></tr> </table> </div>			Sydney Levy	February 9	Charlotte Stark	February 11	Harrison Hoffman	February 17	Bernard Gecht	February 24	<div style="border: 1px solid black; padding: 10px;"> <p>Visit our website: www.ntsad.org</p> </div>			
Sydney Levy	February 9													
Charlotte Stark	February 11													
Harrison Hoffman	February 17													
Bernard Gecht	February 24													

**In honor of our daughters, Felissa and Stephanie
and our grandsons, Benjamin and Nicholas
and**

In memory of our children, Geoffrey and Janna

*With deep gratitude and fondness,
we will always keep Fran Berkwits
in our hearts for her compassion and unending support.*

Sandra and Howard Benjamin

In loving memory of

LARRY KESSLER

In honor of your beautiful daughter

Bonnie Susan Kessler - 1967-1971

In honor of your beloved grandchildren

Sophia Bonnie Kessler - born 2006

Emma Jaclyn Kessler - born 2010

With all our love,

Anita Kessler

Marc & Michelle Kessler

March 2015

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May 2015

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31							

April 2015

SUNDAY

MONDAY

















TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

<p>NTSAD Annual Family Conference April 16-19 Reston, VA</p>		1	2	3	 7:05	4						
		APRIL FOOL'S DAY			<p>GOOD FRIDAY EREV PASSOVER</p>	 <i>Lee Finkel</i> PASSOVER						
5	6	7	8	9	10	11						
 <i>Roberta Meyers</i>  <i>David Goldstein</i> EASTER SUNDAY PASSOVER	 <i>Hadara Abdul-Ghani</i> PASSOVER	 <i>Marcia Feinberg</i> PASSOVER	<p>PASSOVER</p>	<p>PASSOVER</p>	 7:12 <p>PASSOVER</p>	 <i>Chaim Thaler</i> PASSOVER						
12	13	14	15	16	17	18						
			<p>TAX DAY</p>		 7:20  <i>Hayden Skycler</i> <i>Roimisher</i>  <i>Yocheved Thaler</i>							
19	20	21	22	23	24	25						
 <i>Ross Silberfarb</i>	 <i>Ethan Cantor</i>		 <i>Hal Lifshitz</i> EARTH DAY		 7:27 <p>ARBOR DAY</p>	 <i>Susan & Alan Roden</i>  <i>Amanda Megan Gecht</i>						
26	27	28	29	30	<p>In Memoriam</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Alex Lifshitz</td> <td style="width: 50%; text-align: right;">April 12</td> </tr> <tr> <td>Alan Thaler</td> <td style="text-align: right;">April 16</td> </tr> <tr> <td>Albert Eisenberg</td> <td style="text-align: right;">April 21</td> </tr> </table>		Alex Lifshitz	April 12	Alan Thaler	April 16	Albert Eisenberg	April 21
Alex Lifshitz	April 12											
Alan Thaler	April 16											
Albert Eisenberg	April 21											
 <i>Easton Benbasset</i>	 <i>Diane Toner Gentile</i>		 <i>Taylor Ceil Benbasset</i>									

In loving memory of

TOBY & HAROLD GOTTLIEB

SAMI ELENA MANSOUR

Together Forever

Sue & Gus Sirot and Family

April 2015

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18	19	20	21	22	23
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30					

June 2015

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22	23	24	25	26	27	28
29	30					

May 2015

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">— In Memoriam —</p> <p>Stanley Michelman May 7</p> <p>Jack Zimmer May 8</p> <p>Benjamin Gecht May 9</p> </div>					<p style="text-align: center;">1 7:35</p>	<p style="text-align: center;">2</p> <p style="text-align: right;"> Corie Shapiro</p>
<p style="text-align: center;">3</p>	<p style="text-align: center;">4</p>	<p style="text-align: center;">5</p>	<p style="text-align: center;">6</p>	<p style="text-align: center;">7</p>	<p style="text-align: center;">8 7:42</p>	<p style="text-align: center;">9</p> <p style="text-align: right;"> Richard David Chudnick</p>
<p style="text-align: center;">10</p> <p> Alice Finkel Markinson</p> <p style="text-align: center;">MOTHER'S DAY</p>	<p style="text-align: center;">11</p>	<p style="text-align: center;">12 7:48</p> <p style="text-align: right;"> Samira Zamel Troncoso</p>	<p style="text-align: center;">13</p>	<p style="text-align: center;">14</p>	<p style="text-align: center;">15 7:49</p>	<p style="text-align: center;">16</p>
<p style="text-align: center;">17</p> <p> Noa Levy</p>	<p style="text-align: center;">18</p> <p style="text-align: center;"> David & Heather Levy</p> <p> Nadia Zamel</p>	<p style="text-align: center;">19</p> <p style="text-align: right;"> Gary Gecht</p>	<p style="text-align: center;">20</p> <p style="text-align: right;"> Matthew Forbes Romer</p>	<p style="text-align: center;">21</p>	<p style="text-align: center;">22 7:56</p>	<p style="text-align: center;">23</p> <p style="text-align: right;"> Michele Goldman</p>
<p style="text-align: center;">24</p>	<p style="text-align: center;">25</p>	<p style="text-align: center;">26</p>	<p style="text-align: center;">27</p>	<p style="text-align: center;">28</p>	<p style="text-align: center;">29 8:02</p>	<p style="text-align: center;">30</p>
<p style="text-align: center;">31</p> <p> Michelle Finkel</p> <p> Jennifer Colton</p>	<p style="text-align: center;">MEMORIAL DAY OBSERVED</p>			<p style="text-align: center;"> Rona & Michael Devane</p>		<p style="text-align: right;"> David Fine</p> <p style="text-align: right;"> Elise Heringer</p> <p style="text-align: right;"> Charles Yanovsky</p>

STUART OKIN, M.D.

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and New York Hospital Queens*

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*So many gave their lives for
the country they love.*

*Let us not forget, everyday, their
dedication to our way of life.*

*God bless our heroes and
our country.*

In memory of

Ricki Beth Sussman

1953-1957

Barbara Salomon & Family

May 2015

					2	3
3	4	5	6	7	8	9
10	11	12	13	14	15	16
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July 2015

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26	27	28	29	30	31	

June 2015

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

	1  <i>Esmeralda Sirot</i>	2  <i>Brian Finkel</i>	3	4	5  8:07	6																												
7  <i>Matthew Feldman</i>  <i>Lior Levy</i>	8  <i>Lee Cohen</i>	9	10  <i>Michael Silberfarb</i>	11  <i>Shawn Silberfarb</i>	12  8:11  <i>Lillian Sherman</i>  <i>Natan Thaler</i> ♥ <i>Lisa & Griffith Kolland</i>	13  <i>Scott Harris Gentile</i>																												
14 FLAG DAY	15  <i>Stacy Campbell</i>	16	17	18	19  8:13	20  <i>Heath Feldman</i>																												
21  <i>Matthew Lawrence Gentile</i> FATHER'S DAY SUMMER BEGINS	22  <i>Jayden Campbell</i>	23  <i>Sharon Silberfarb</i> ♥ <i>Elise & Emil Keringer</i>	24  <i>Jason Shapiro</i>	25	26  8:14	27  <i>Miriam Thaler</i>  <i>Mitchell Gordon</i>																												
28 ♥ <i>Susan & Bill Boorstein</i>	29	30	<table border="1"> <thead> <tr> <th colspan="4">In Memoriam</th> </tr> </thead> <tbody> <tr> <td>Harold Gottlieb</td> <td>June 4</td> <td>William Romer</td> <td>June 21</td> </tr> <tr> <td>Esther Sider</td> <td>June 4</td> <td>Gita Katz</td> <td>June 24</td> </tr> <tr> <td>Sarah Finkel</td> <td>June 8</td> <td>Nathan Zimmer</td> <td>June 25</td> </tr> <tr> <td>Charles Goldstein</td> <td>June 8</td> <td>Sidney Finkel</td> <td>June 26</td> </tr> <tr> <td>Harold Goldstein</td> <td>June 13</td> <td>Sheila Donner</td> <td>June 27</td> </tr> <tr> <td>Sami Elena Mansour</td> <td>June 13</td> <td>Frances Berkwits</td> <td>June 29</td> </tr> </tbody> </table>				In Memoriam				Harold Gottlieb	June 4	William Romer	June 21	Esther Sider	June 4	Gita Katz	June 24	Sarah Finkel	June 8	Nathan Zimmer	June 25	Charles Goldstein	June 8	Sidney Finkel	June 26	Harold Goldstein	June 13	Sheila Donner	June 27	Sami Elena Mansour	June 13	Frances Berkwits	June 29
In Memoriam																																		
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Charles Goldstein	June 8	Sidney Finkel	June 26																															
Harold Goldstein	June 13	Sheila Donner	June 27																															
Sami Elena Mansour	June 13	Frances Berkwits	June 29																															

In loving memory of

Helaine Seccia

“A lifelong friend”

Gus Sirot

June 2015

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21	22	23	24	25	26
28	29	30	31		

August 2015

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16	17	18	19	20	21	22	
23	24	25	26	27	28	29	
30	31						

July 2015

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

<div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p style="text-align: center;">— In Memoriam —</p> <p>Leon Finkel July 3 Dillon Henry July 6 Sylvia Farber July 18 Leonard Chudnick July 20 Irwin Ungerleider July 21</p> </div>		1	2	3  8:15	4
				 Jon Boorstein	INDEPENDENCE DAY
5	6  Leigh Boorstein	7  Joshua Andrew Devane  Carol Handwerker	8  <i>Marion & Charles Yanosky</i>	9	10  8:12
					11  Emily Charlez Fine
12  Bruce Goldman	13	14	15	16  Jared Craig Sakolsky	17  8:08
					18  Gloria Levenson
19  Ava Skye Weinstock  Taylor Jenna Weinstock  Lori R. Goldman	20	21  Scott J. Goldman	22  Kourtney Brooke Lavin	23	24  8:02
					25  Jonah Dzitrie
26  <i>Howard & Riva Levy</i>	27  <i>Michele & Bruce Goldman</i>	28  Elyssa Shapiro	29	30  Fern Finkel Gentile	31

In Memory of Frannie

We shared our love of working for NTSAD and also our love of knitting.

Each time I knit something from "our stash"

I will think of you with great affection.

I am proud to have had you in my life!

You are missed.

Phyllis Chudnick

Congratulations to

Susan & Alan Roden

in honor of

Bryan's Bar Mitzvah

Merri & Murray Benbasset

In Memory of

Fran Berkwits

in appreciation of
her support of NTSAD

Marcia Feinberg

July 2015

		1	2	3	4
5	6	7	8	9	10
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18	19	20	21	22	23
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30	31				

September 2015

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27	28	29	30			

August 2015

SUNDAY

MONDAY

















TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">In Memoriam</p> <table border="0"> <tr><td>Sarah Pinger</td><td>August 7</td></tr> <tr><td>Phyllis Chavis</td><td>August 9</td></tr> <tr><td>Shirley Leib</td><td>August 10</td></tr> <tr><td>Wendy Gordon</td><td>August 16</td></tr> <tr><td>Scott Peter Colton</td><td>August 16</td></tr> <tr><td>Jerry Sirot</td><td>August 21</td></tr> <tr><td>Ray Colton</td><td>August 22</td></tr> <tr><td>Saul Donner</td><td>August 26</td></tr> <tr><td>Adam Davis</td><td>August 28</td></tr> </table> </div>		Sarah Pinger	August 7	Phyllis Chavis	August 9	Shirley Leib	August 10	Wendy Gordon	August 16	Scott Peter Colton	August 16	Jerry Sirot	August 21	Ray Colton	August 22	Saul Donner	August 26	Adam Davis	August 28						1
Sarah Pinger	August 7																								
Phyllis Chavis	August 9																								
Shirley Leib	August 10																								
Wendy Gordon	August 16																								
Scott Peter Colton	August 16																								
Jerry Sirot	August 21																								
Ray Colton	August 22																								
Saul Donner	August 26																								
Adam Davis	August 28																								
2	3	4	5	6	7	 7:47	8																		
		 <i>Samantha Gordon</i>  <i>Scott Finkel</i>				 <i>Steven Greg Chudnick</i>																			
9	10	11	12	13	14	 7:37	15																		
						 <i>Scott Finkel</i>  <i>Alyse Gordon</i>																			
16	17	18	19	20	21	 7:27	22																		
 <i>Elaine Levy</i>		 <i>Scott Brian Fine</i>  <i>Daniel Silberfrab</i>  <i>Avraham Thaler</i>				 <i>Marc Robinson</i>																			
23	24	25	26	27	28	 7:16	29																		
30	31	 <i>James Colton</i>		 <i>Jill Feldman</i>	 <i>Layla Campbell</i>																				

In Loving Memory of

Sheila Wasserman

A most warm, kind and giving person, super terrific and family-oriented

Always there to help everyone and anyone

Never wanting anything in return

She will always be missed

With much love,

Norman, Stuart & Kathy, Paul & Andrea Wasserman

Lisa & Lonnie Jacobs

Herb & Madeline Roimisher

August 2015

1
2 3 4 5 6 7 8
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31

October 2015

1 2 3
4 5 6 7 8 9 10
11 12 13 14 15 16 17
18 19 20 21 22 23 24
25 26 27 28 29 30 31

September 2015

SUNDAY

MONDAY



TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

<p>MYTH: Only one partner needs to be tested for Tay-Sachs and Allied Diseases.</p> <p>FACT: Both partners should be tested</p>		1	2  <i>Jonah Goldstein</i>	3	4  7:05	5  <i>Ryan Andrew Silberfarb</i>												
6	7 LABOR DAY	8  <i>Jacob Silberfarb</i>  <i>Ellen Fine</i>  <i>Alia Zamel</i>	9	10	11  6:53  <i>Griffith (Skip) Holland</i>  <i>Michael Gary Chudnick</i>	12  <i>Cody Miles Gecht</i>												
13  <i>Brandon Spencer Gecht</i>  <i>Dayna Lynn Gecht</i> EREV ROSH HASHANAH GRANDPARENTS DAY	14 ROSH HASHANAH	15 ROSH HASHANAH	16	17  <i>Gerri Colton</i>	18  6:41  <i>Emma Zimmerman</i>	19  <i>Samuel Wager Chudnick</i>												
20  <i>Miriam Anna Gentile</i>	21  <i>Sophie Goldstein</i>	22 EREV YOM KIPPUR  <i>Katherine Gentile Vairo</i>	23 YOM KIPPUR AUTUMN BEGINS	24  <i>Sue Sirot</i>  <i>Andrew Militscher</i>	25  6:29  <i>Caroline Wager Chudnick</i>	26  <i>Leah Paige Wasserman</i>												
27	28  <i>Michael S. Goldman</i>	29  <i>Mitchell Ray Jacobs</i>	30  <i>Evelyn Goldman</i>  <i>Justin Frank Zimmer</i>  <i>Matthew Neil Zimmer</i>	<table border="1"> <tr> <th colspan="2">In Memoriam</th> </tr> <tr> <td>Ceil Benbasset</td> <td>September 9</td> </tr> <tr> <td>Sheila Wasserman</td> <td>September 10</td> </tr> <tr> <td>Leo Diamond</td> <td>September 14</td> </tr> <tr> <td>Jack Finkel</td> <td>September 16</td> </tr> <tr> <td>Carole Colton</td> <td>September 29</td> </tr> </table>			In Memoriam		Ceil Benbasset	September 9	Sheila Wasserman	September 10	Leo Diamond	September 14	Jack Finkel	September 16	Carole Colton	September 29
In Memoriam																		
Ceil Benbasset	September 9																	
Sheila Wasserman	September 10																	
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Jack Finkel	September 16																	
Carole Colton	September 29																	

In Honor of
Our Wonderful Grandchildren
Matthew Ryan Jacobson
Steven Kyle Jacobson
Chad Tyler Malinowski
Brett Spencer Malinowski
Isabella Tori Zahl
Marcia & Harvey Jacobson

In memory of
Fran Berkwits
Sheila & Lee Cohen

Emil K. Heringer, O.D.
Independent Optometrist

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In Loving Memory

of
Jean Maniscalco

September 2015

	1	2	3	4	5	
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

November 2015

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22	23	24	25	26	27	28
29	30					

October 2015

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">In Memoriam</p> <table border="0"> <tr><td>Geraldine Finkel</td><td>October 3</td><td>Steven Berg</td><td>October 19</td></tr> <tr><td>Roberta Meyers</td><td>October 3</td><td>Joseph Gentile</td><td>October 26</td></tr> <tr><td>Alex Pinger</td><td>October 4</td><td>Stella Zimmer</td><td>October 27</td></tr> <tr><td>Anna Finkel</td><td>October 8</td><td>Dorothy Zaretsky</td><td>October 28</td></tr> <tr><td>Henry Sirot</td><td>October 9</td><td>Leon Jacobson</td><td>October 29</td></tr> <tr><td>Sophie Gecht</td><td>October 12</td><td>Miriam Finkel</td><td>October 30</td></tr> </table> </div>		Geraldine Finkel	October 3	Steven Berg	October 19	Roberta Meyers	October 3	Joseph Gentile	October 26	Alex Pinger	October 4	Stella Zimmer	October 27	Anna Finkel	October 8	Dorothy Zaretsky	October 28	Henry Sirot	October 9	Leon Jacobson	October 29	Sophie Gecht	October 12	Miriam Finkel	October 30			1	2 6:17	3
		Geraldine Finkel	October 3	Steven Berg	October 19																									
Roberta Meyers	October 3	Joseph Gentile	October 26																											
Alex Pinger	October 4	Stella Zimmer	October 27																											
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Henry Sirot	October 9	Leon Jacobson	October 29																											
Sophie Gecht	October 12	Miriam Finkel	October 30																											
					Spencer Shawn Markinson	Riley Paige Roimisher																								
4 Elise Rae Gecht	5 William Gentile	6	7 6:09	8 Daniel Ian D'Amato	9 6:06 Meryl Gordon	10																								
11 Michael Devane Joe Rattien Michael Gary Chudnick	12 COLUMBUS DAY	13	14 Susan Roden	15	16 5:55 Maya Jade Benbasset	17 Matthew Gordon																								
18 Elijah Dzitrie	19 5:50	20	21 5:53 Anthony Gentile Jack Zimmerman	22 Arlene Gecht Koral	23 5:45	24																								
25 Caroline Wager Chudnick Brittany Sari Zimmer	26 David Silberfarb	27 Robert Nathan Wasserman Eric Jason Fine	28 Pasquale Vairo	29 Adam Brian Gecht	30 5:35	31 Zachary Cantor Marion Yanovsky HALLOWEEN																								

*In Memory of
and in Tribute to
our mother*

'A Woman of Valor'

אשת חיל

Jennie Gottlieb

Du Du Liegst Mier In Herzen



October 2015

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December 2015

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27	28	29	30	31			

November 2015

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

1 DAYLIGHT SAVINGS ENDS MOVE CLOCK BACK	2	3 ELECTION DAY	4	5 Brian Craig Koral Hasan Zamel	6 4:27	7 Lisa Brandt																								
8 Rivka Naftalowitz	9 Hailey Silberfarb	10	11 Nathan Edward Devane VETERANS DAY	12	13 4:20 <i>Alyson & Joshua Karvit</i>	14 Mitchell Ira Fine																								
15	16 Alan Finkel	17	18 William Scott Jacobs Sarena Hope Markinson	19	20 4:14	21 Cameron Troncoso																								
22	23 <i>Maddie & Herb Roimisher</i> Edith Berg	24 <i>Sheila & Lee Cohen</i> Alisa Lifshitz	25	26 THANKSGIVING DAY	27 4:11 William Romer	28																								
29 Rachel Thaler	30	<p style="text-align: center;">In Memoriam</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Adele Zimmer</td> <td style="width: 10%;">November 2</td> <td style="width: 50%;">Owen Brandt</td> <td style="width: 10%;">November 17</td> </tr> <tr> <td>Miriam Lifshitz</td> <td>November 4</td> <td>Emma Zimmerman</td> <td>November 18</td> </tr> <tr> <td>Daniel Jacobson</td> <td>November 7</td> <td>Helen Diamond</td> <td>November 23</td> </tr> <tr> <td>Aaron Lifshitz</td> <td>November 9</td> <td>Lester Pinger</td> <td>November 24</td> </tr> <tr> <td>Abner Berkwits</td> <td>November 10</td> <td>Irving Zaretsky</td> <td>November 25</td> </tr> <tr> <td>Stephen Silberfarb</td> <td>November 15</td> <td>Noah Jarashow</td> <td>November 30</td> </tr> </table>					Adele Zimmer	November 2	Owen Brandt	November 17	Miriam Lifshitz	November 4	Emma Zimmerman	November 18	Daniel Jacobson	November 7	Helen Diamond	November 23	Aaron Lifshitz	November 9	Lester Pinger	November 24	Abner Berkwits	November 10	Irving Zaretsky	November 25	Stephen Silberfarb	November 15	Noah Jarashow	November 30
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In loving memory of

Jerome Sirot

Remembered and Loved Always

Saul, Gloria, Sandy, Debbie, Jeff, Kaitlin, Samantha and Rebecca

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**For
Honeydew and Gus**

*Love,
Angus*

In Loving Memory of

SCOTT PETER COLTON

&

CAROLE & RAY COLTON

Love,

Gerri Colton & James Colton

In Loving Memory of Fran

*who made helping the families of NTSAD
her life's work and passion.*

We are forever in her debt.

Much love,

Sharon, Steven, Jake and

"Angel" Harry Hoffman

In memory of our beautiful

Brooke Chase Gettleman

Robin, Harvey, Jonathan & Craig Finkel

December 2015

	1	2	3	4	5	
6	7	8	9	10	11	12
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February 2016

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January 2016

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

<div style="border: 1px solid black; padding: 5px;"> <p align="center">— In Memoriam —</p> <table border="0"> <tr><td>Harry Silberfarb</td><td>January 3</td></tr> <tr><td>Rose Weisfeld</td><td>January 5</td></tr> <tr><td>Herbert Gordon</td><td>January 6</td></tr> <tr><td>Samuel Eisenberg</td><td>January 7</td></tr> <tr><td>Harold Feldman</td><td>January 12</td></tr> <tr><td>Sylvia Silberfarb</td><td>January 17</td></tr> <tr><td>Jane Eisenberg</td><td>January 29</td></tr> </table> </div>		Harry Silberfarb	January 3	Rose Weisfeld	January 5	Herbert Gordon	January 6	Samuel Eisenberg	January 7	Harold Feldman	January 12	Sylvia Silberfarb	January 17	Jane Eisenberg	January 29				1 4:20 NEW YEAR'S DAY	2
		Harry Silberfarb	January 3																	
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Harold Feldman	January 12																			
Sylvia Silberfarb	January 17																			
Jane Eisenberg	January 29																			
3 Rona Devane	4	5	6 Marissa Heringer Rebecca Heringer	7 Rose Price Cooley	8 4:26 David Sirof	9 Noah Philip Devane														
10	11 Geoffrey Zack Wasserman Andrew David Markinson	12 ♥ Sue & Gus Sirof	13	14 Robyn Finkel	15 4:34	16														
17 Nolan Russell Wasserman	18 MARTIN LUTHER KING, Jr BIRTHDAY OBSERVED	19	20	21 Mia Levy	22 4:42 Charlie Levy	23														
24	25	26	27	28	29 4:50	30														
31		♥ Barbara & Gary Feldman																		

In loving memory of

Emma Zimmerman

There are wounds time does not heal,
though it can reduce them to a manageable size.

**Miss you muchly,
Daddy, Mommy & Jack**

In Loving Memory Of

Stanley Michelman

*We give thanks for your commitment and dedication to the
elimination of the tragedy of genetic diseases.*

We miss you and will continue the quest for treatment and cure!

**For the Blessings of
My Wonderful Children
& Grandchildren
Who Fill My World With Love**
Ann Brandt

In loving memory of my parents
Helen & Leo Diamond
Ann Brandt

In Honor of My Amazing Sister,
Marion Yanovsky
With Love, Ann

In loving memory of
Owen Brandt
Your love is always with us
Ann, Lisa, Skip, Rona, Michael
Nathan, Noah & Joshua

IN MEMORY OF
EVELYN and LEONARD SUSSMAN
(1918-2000) (1916-2001)
and
RICKY BETH SUSSMAN
(1953-1957)

*Founders of NTSAD whose energy and
selfless devotion helped NTSAD
to reach many of its goals*

PETER and MICHAEL SUSSMAN

In Memory of

Melanie & Randi Shames

Continued Success in Eradicating Tay-Sachs

Phyllis & Julius Shames

Eric J. Shames

Ronni, Tony & Gabby Muia

In memory of

Gertrude Bertinthal

*Deborah, Arthur, Harris,
Seth & Elyse Kupperman*

In Loving Memory of

Lawrence Krause

&

Arthur Krause

Always, Linda

*In memory of
our beloved brother*

Mark Howard

1968-1971

Bruce & Linda Feingold

In loving memory of

Pearl Sirot

Henry Sirot

Jerry Sirot

Toby Gottlieb

Harold H. Gottlieb

and

Sami Elena Mansour

With thanks for the joy of

Hadara - April 6, 1994

Elijah - October 18, 1996

and

Jonah - July 25, 2000

Sue & Gus Sirot

In loving memory of
Uncle Stanley & Aunt Joyce

You are missed!

Rest in peace

Love,

Sue & Gus

Nicole, Hadara, Elijah & Jonah

Thank you to the Pearl River Walk Committee

*Catherine Duplessis, Christine Ippolito, Darlene McDonagh, Vera Schragenheim,
Kathy Whitney & family, Marcy Michelman, Sharon Hoffman,
Dale & Andy Verebes, Daryl Marx, Shari & Jeff Ungerleider & family, Moria Balseca,
Kerriann Koppel, Adrienne Eckert, Kathleen Maier, Joyce Kent, Lisa Amato,
Julie Feldman, Linda Hoffman, Elise Heringer and Marion Yanovsky*

Your hard work before and during the event made it a huge success!

In loving memory of an incredible woman

Fran Berkwits

A Special & Dear Friend Never to be Forgotten

Always in our Hearts

We miss you very much,

Marion & Charlie Yanovsky

In memory of
Francie Berkwits



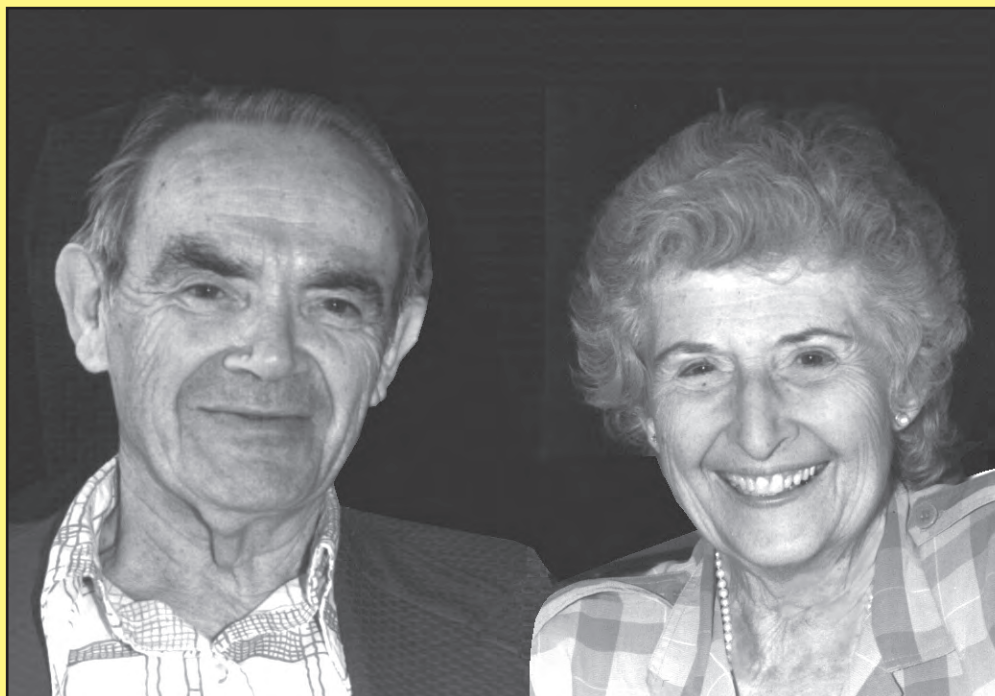
Loving wife, mother, grandmother and great-grandmother.

The Berkwits and Elberg Families

*In loving memory of our
son & brother*

RAPHI HABERBERG

Gili, Benjamin, Ari & Karen



In Loving Memory of

Sylvia and Harry Silberfarb

In appreciation for all their nurturing support, guidance and love.

They are greatly missed and will be remembered
with the greatest of affection always!

With much love from their family,

Barry and Carol Silberfarb

Daniel, Anna, Zoe and Jake Silberfarb

Sharon, Will, Brayden and Caleb Greenhut

In Beloved Memory of
Burt & Donna
and

All Our Loved Ones

In The Marcowitz, Salomon and Kahn Families

*They have touched our lives with such love and joy that
they are forever a living part of our everyday lives*

In Loving Memory of

Jerry Sirot

There is a loving bond that only twins can share - built on cherished memories of special times together and a closeness that will always mean so much.

*Though words fall short at a time like this,
It brings me comfort knowing that my brother, Jerry
will always be part of me, through this bond that will live in my heart.*

*I will remember all the good times we've shared as a gift that I will cherish forever.
It's the kind of gift that makes me smile and feel so lucky to have had such a great
brother and friend.*

Rest in Peace Dear Brother

**Love ya,
Gus**

In Loving Memory Of

ALLEN & MARGIE FEIN

JOE & CEIL BENBASSET

EVELYN & LENNY SUSSMAN

LIBBY MOSBERG

JOE ROSEN

ROSE WEISFELD

Merri & Murray Benbasset

Jason & Melissa, Maya & Taylor

Corey & Hope, Easton & Harlow

In Loving Memory of
Francie Berkwits



A shining example of a life well-lived.

Your memory is a blessing to us all.

Jake, Lacey, Annie & Zoe Elberg

In Loving Memory of

Daniel Jacobson

A long-time NTSAD Supporter and Contributor

You Made a Difference in Many Lives

We Miss You and Your Humor

The Jacobson & Zeiger Families

To all our wonderful grandchildren
who give us so much pleasure

Nicole

Michael

Julie

Jake

and Harry who left us too soon

All our love,
Grandma Judy & Grandpa Gerry

IN LOVING MEMORY OF
MY PARENTS

IRVING JEROME BURGER

MICKEY H. BURGER

AND

MY BROTHER

HOWARD BURGER

Clare Burger

In Loving Memory of

SAMI ELENA MANSOUR

“A Moment of Joy”

Sue & Gus Sirot and Nicole

In Honor of all the
Beautiful Sirot & Levenson Grandchildren

Sarah

Daniel

Jay

Julia

Jonah

Jacob

Samantha

Justin

Hadara

Elijah

Jill

Tyler

Sydney

Kaitlin

Brielle

Rebecca

With Loving Memories That Will Never Fade

Jean McKenna

Sheila Mirchin

Ann Mariotti

Seena Schneiderman

Yvette Sadoff

Edith Hirshhorn

Barbara Salomon

In Loving Memory of
Great Grandma Francie Berkwits



Your love, unwavering devotion, and the lives you spared from hardship and grief will inspire us and generations to come.

Annie & Zoe Elberg

In Beloved Memory Of

Fran Berkwits

We are honored to have had Fran so profoundly affect our lives.

Not only was Fran the gentle, caring, gifted genetic counselor, but also the quietly determined person who engendered the trust and respect that brought the Dor Yeshorim Program to life. Fran gave The Tay-Sachs Carrier Screening Program years of her voluntary presence in the New York Tri-State area.

Fran has made an indelible impression on our hearts and an invaluable contribution to the National Tay-Sachs and Allied Diseases Association for almost sixty years.

Claire and Cliff Kahn

In Celebration of Fran Berkwits *with love and great admiration*

Your extraordinary and tireless commitment in the effort to eradicate the tragedy of genetic diseases has made a difference.

Your efforts in raising awareness, community carrier screening and genetic counseling touched the lives of many, bringing hope and promise of healthy families.

Your wisdom and guidance kept us on a steady course to prevention.

May each day bring us closer to finding a treatment and cure.

*Thank you for all the years you served on the NTSAD New York Area Board.
We will continue the work you started - you showed us how.*

We miss you,

Members of the Board of Directors

NTSAD New York Area Chapter

In loving memory of

Henry & Pearl Sirot
Harold & Toby Gottlieb
Sami Elena Mansour
Jerry Sirot

The Sirot Family

In Honor of
My Precious Grandchildren

*Chani, Miriam, Rachel, Devorah,
Chaim, Rivka, Tzvi Yakov,
Yocheved, Natan, Avraham, Binyamin*

and Great-Grandchildren

*Rivka Bracha, Schraga Feivel
Aaron Simcha, Meir Simcha
Rivka Tamar, Eliyahu Menashe
Nisan Yakov, Temimah, Mendy
Adina Tova, Leeba, Esti, Yisroel, Anaelle*

In Memory of
my beloved husband, Seymour

Jeanette Thaler

*The traits of our genetic counselor,
Fran Berkwits,
with her brilliance and kindness
were consistently expressed as she worked
steadfastly for NTSAD.*

*Fran was always
Devoted, Noble, and expertly Adept –
in a manner that can never quite be replicated.*

*With great appreciation,
Carol S. Handwerker*

I am grateful for my precious grandchildren

Jessica Lynn
Leah Paige
Benjamin Matthew
Russell Matthew
Mitchell Ray
William Scott
Nolan Russell
Robert Nathan
Geoffrey Zack

Norman Wasserman



**Two Sisters With Love
for 92 Years!**

In Honor of
**Marion & Charlie
Yanovsky**

We are the luckiest
children and grandchildren.
You are the best!

We love you,
Susan, Alan, Jason & Bryan

In memory of

Henry-Hilda-Harry-Helga

In honor of our grandchildren
Sydney, Ben, Esther & Anna
Lynda & Mel Schriever

Thank you to the
Jewish Genetic Disease Consortium

*educating medical professionals,
rabbis & the community
for the prevention of
Jewish Genetic Diseases*

www.jewishgeneticdiseases.org

In loving memory of
Burt Salomon
A true philanthropist

In loving memory of

Frances Berkwits, MS, CSW

and

Abner Berkwits, MD

Ronald A. Mermer, C.P.A.

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In loving memory of

Dakota Bihn

Marion & Charlie Yanovsky

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PRESIDENT

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*In loving memory
of the best grandparents*

Helen & Leo Diamond

Susan Yanovsky Roden

In Memory of

Fran Berkwits

Adele Schneider

In memory of

Jerry Sirot

Joyce Erwin

In Loving Memory of

Bea Gecht

Dear friend and dedicated volunteer in the NTSAD Brooklyn Chapter

whose tireless commitment and hard work to raise funds

in the support of research and prevention

helped make a difference.

She will be missed

In loving memory of
Fran Berkwits

- *Extraordinary wisdom*
- *Pioneer and pathfinder*
- *A very special friend and colleague*
- *Glowing smile and never a complaint*

A true role-model and inspiration for us all.

*Her legacy lives on in the entire
NTSAD community.*

Kevin Romer & Family

*In memory of
our loving uncle*

Jerry Sirot

*We love you and wish you to
Rest in Peace Forever*

**Debbie, Jeff, Kaitlin,
Samantha, Rebecca Otto**

In honor of our children

**Judy & Rob,
Samuel & Nicole
and Maury**

and our grandchildren

**Daniel, Isabel
Aaron and Adam**

Al^(ל"ט) & Miriam Storch

In Memory of

Fran Berkwits

*We are remembering you
with love always.*

Audrey & Peter Kasten

In memory of

Sue Ungerleider

A loving mother and grandmother who will be greatly missed.

You are forever in our hearts.

Jeff, Shari, Justin, Leigh & Sydney

In Loving Memory of

Toby & Harold Gottlieb

Eliana & Avi Mordekovich and Family

In honor of

Marcia Feinberg

In memory of Fran Berkwits

Words cannot capture what we all have shared in knowing Fran.

Her determination, dedication, interest and grace stand as life-lessons to us all.

We can only thank her for all she did for so many and for the exemplary teacher she was.

Jayne Gershkowitz

In honor of my wonderful children

Dr. & Mrs. Martin Thaler and Phyllis Naftalowitz

and

In memory of my beloved husband

Seymour Thaler

Jeanette Thaler

In Loving Memory of Fran Berkwits

Always caring and dedicated.

*We are so grateful for all that she did to raise awareness
and for all of her work on behalf of the families.*

She is and will be truly missed by all of us.

She was a very special lady.

Sandy & Allen Levine

In memory of Fran Berkwits

*I don't know that anyone has worked as hard as Fran, and for as many years as Fran,
to make a difference in the lives of our children and families.*

*She was definitely a grand dame, whose grace and gentle,
but determined manner will be sorely missed.*

Dan Greenberg

In Memory of a Special Woman

*Fran's warm smile, dedication to the prevention of Tay Sachs disease,
and passion for all she did, will live on in all those she touched.*

We love you and miss you.

**Susan and Alan Roden
Jason and Bryan**

In loving memory of
Fran Berkwits

For more than 50 years she set a standard
that few could approach
She will be missed.

The Sussmans

Remembering Fran Berkwits

Fran was a true medical social worker.

She understood the problems our parents and patients faced but also the science involved.

As a result, she could not only interact with physicians and laboratory staffs but could explain the complexities of Tay-Sachs enzyme and gene testing to our families better than anyone.

She really cared about the person and what mattered most to her was that everyone be treated with courtesy and respect.

Dr. Edwin H. Kolodny

The Jewish Genetic Disease Consortium

is thankful for the opportunity to have worked with

Fran Berkwits

A valued Board Member and friend.

*An advocate for carrier screening from its very beginnings
whose expertise and steady resolve to raise awareness helped lead to prevention.*

With love and great admiration,

The Members of the Board of Directors

In Loving Memory of Fran Berkwits

Fran was an incredible woman who has impacted so many lives.

NTSAD was her heart and soul.

She loved being a part of the families.

She will truly be missed.

Shari & Jeff Ungerleider and Family

With Special Thanks to our Supporters

*Your generosity is making a difference
in the quest for treatment and cure of
Tay-Sachs and the Allied Diseases.*

In honor of Danny Kenny a special little boy

Your smile warms us on even the darkest days.
We love knowing that we have an Angel right here on Earth looking out for us.
We love you.

**Aunt Kathy & Uncle Neil
Meghan, Jimmy and Danny**

In Memory of Fran Berkwits

Your love, wisdom and dedication
will live on in the hearts of the many families you have guided.

You have been our mentor and dear friend.

You were always the smartest person in the room!

With all of our love and respect,

Elise, Emil, Rebecca and Marissa Heringer

Thank you to our

National Board of Directors

Staff & Volunteers

Scientific Advisory Committee

Corporate Advisory Council

for their dedication to the mission of NTSAD

In Memory of
Our Beloved Niece & Nephew

Rae Arlene

and

Michael Lee Goldstein

Barbara & Edwin Simon

In Memory of Fran Berkwits

An Extraordinary Woman

Ann Brandt

I'll never forget when you were a little bit pink.

With love always.

In Honor of
Sue & Gus Sirot
Craig & Caren Hirsch

In Loving Memory of
William Yanovsky
Karl Yanovsky
Errol Yanovsky



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In Loving Memory of
Stanley
Michelman

We miss your kind and loving ways
We miss your friendship
We are sad you left us so soon
Marion & Charlie Yanovsky

In loving memory of
Helen & Leo Diamond
wonderful parents & grandparents

Marion & Charlie Yanovsky

*Fran, a truly dedicated professional
who committed her life to helping our cause, NTSAD.
She was unrelenting when it came time to educate young adults.
She was involved until the day she died.*

Fran will be missed.

*Lynda Schriever
Past President, Brooklyn Chapter*

**Hope Is On The Horizon
For Treatment & Cure!**

We Honor The Researchers of the
Tay-Sachs Gene Therapy Consortium

With all our love to our wonderful
and beautiful grandchildren

**HADARA
ELIJAH
and
JONAH**

POPPI GUS & GRANDMA SUE

In Memory of

Stanley B. Michelman

“A True Leader”

Bruce H. Nagel, Esq.

IN MEMORY OF OUR BELOVED DAUGHTER

RACHEL MEREDITH

FOREVER IN OUR HEARTS

IN HONOR OF OUR PRECIOUS GRANDSONS

TYLER MATTHEW

ANDREW JARED

RHODA & FRED KANTER

In Loving Memory of

Sheila Wasserman

A dedicated NTSAD volunteer

always supportive and willing to help.

Her efforts over many decades made a difference.

She will be missed.

In celebration of our precious grandchildren

Asher, Jason & Bryan

Marion & Charles Yanovsky

In memory of our sweet, caring friend

Fran Berkwits

Myrna & Jerome Karp

In honor of our beloved nephew and niece

GEOFFREY & JANNA BENJAMIN

We send lots of kisses to our great nephews

NICHOLAS & BENJAMIN

who have put loads of smiles on all the family's faces

Aunt Lele and Uncle Jerry

In Loving Memory of Sheila Wasserman

A kind and caring friend

We celebrate her life

Marion & Charlie Yanovsky

In loving memory of

Fran Berkwits

THANK YOU FOR ALWAYS BEING THERE!

You will be greatly missed.

Sue & Gus Sirot

In memory of our parents

Florence & Irving Turetsky

and our sister

Susan Barbara

Elaine & Barry Heimowitz

Linda & Steve Selip

In memory of

The Pingers

Sarah & Alex Pinger

Lester Pinger

Beatrice Gecht

Sylvia Farber

Stella Zimmer

Miriam Finkel

*In loving memory of our
beloved daughter*

Lisa Cheryl Kravet

Rhoda & Stan Kravet

In honor of

Fran Berkwits

Abe Rutkovsky

In loving memory of

Morton & Aaron Feinberg

Hilda & Arthur Brodsky

Bernie Brooks

Murray Kubersky

from

Marcia Feinberg

In memory of

Jerry Sirot

Judy and Corey Lev

With much thanks to

Karen Haberberg

for her beautiful photography at the

“Honoring New York” event

Karen’s Website: karenhaberberg.com

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In memory of a wonderful woman & friend.
Thank You Fran Berkwits for your care & support
throughout the years.

Vera Schragenheim

In memory of
Anita Amerio

Sue & Gus Sirot

In Loving Memory of
Rita Joyce Abramson

Sue & Gus Sirot

In memory of
Aaron Feinberg

Ann Hanover

*In Loving Memory
of
Nat and Hannah Natko*

*In memory of
**Frances Berkwits
Seymour Goldman
Shirley Goldman**
Ariela & Fred Wichler*

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**With love to the beautiful
& special children
Sami Elena Mansour**
*Love,
Esther & Alan Fleishman*

*In Honor of Our Grandchildren
**Reese Leah Finkel
Grant Zachary Finkel
Dean Harrison Finkel**
*With Love,
Robin & Harvey Finkel**

*In loving memory of
Rose Weisfeld
Marion & Charles Yanovsky*

**In Honor of
Marion Yanovsky**
Sheila & Lee Cohen

**In loving memory of
Harold & Toby Gottlieb**
Henry & Sylvia Kleiner

In Memory of
Fran Berkwits

*So loved by all the families
to whom she gave care and courage...*

*So missed by all the friends
with whom she created community...*

*So treasured by all of us whose lives
she touched in so many special ways.*

*Thank you, Fran
for showing us how to care, how to share,
and how to value every minute of every life.*

*With admiration and appreciation,
Jayne Mackta & Family*

Keep up the good work!

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In loving memory of

Fran Berkwits

Gerri Colton

In loving memory of

Aaron Feinberg

and in honor of

Marcia Feinberg

Ellen & Susan Cohen & Families

In honor of our grandchildren

Adam Taylor Chaitin

Alexandria Rae Chaitin

Jeremy Scott Chaitin

Paul Nunzio Chaitin

Paul & Sandra Chaitin

In memory of

Seymour Thaler

The Storch & Sherrell Families

In loving memory of

Sue Ungerleider

Marion & Charlie Yanovsky

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*With love to the beautiful
& special children*

Sami Elena Mansour

Love,

Karen & Jerry Jacobs

In memory of

Jerry Sirot

Beloved brother of Gus Sirot

Marion & Charlie Yanovsky

We proudly support the achievements of NTSAD

- *Research for Treatment & Cure*
 - *Education for Prevention*
- *Support for Affected Families*

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In loving memory of

Seymour Thaler

Beloved husband, father, grandfather & great-grandfather

and

In loving memory of

Alan Mark Thaler

Dr. & Mrs. Martin Thaler & Family

*Best Wishes Always
To Our Dear Friends*

Sue & Gus

Gloria & Phil Darvin

Keep up the good work
The Sacks Family

In Memory of

Sylvia Farber

The Lifshitz Family

In Memory of

Suzanne Labocetta

Sandi & Bob Plotkin & Family

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Wesley Hills Plaza

455 Route 306

Wesley Hills, N.Y. 10952

845-362-1019

Grandma Betty

and

Papoo Louis S. Hazan

"Forever In Our Hearts"

Elyssa, Billy, Jason, Natalie, Corie, Jaden & Devin

Compliments of

The Rattien Family

In loving memory of

ROSE WEISFELD

for her tireless commitment to the mission of NTSAD

With thanks and admiration

In Loving Memory of Bea Gecht

A Super Volunteer & True Friend

She will be missed

Marion & Charlie Yanovsky

Dear Grandma Sylvia,
We continue to love and miss you as the years go by.
What a legacy you have left behind!
Your values live on within us and your great grandchildren.
Love, Sharon, Will, Brayden & Caleb

Compliments of A Friend of Hadara

In Memory of
Ahny
Her love of children lives on

*In Loving Memory of
Our Beloved Sister & Brother*
**Sharyn Snyderman
Fred Schriever**
Lynda & Mel Schriever & Family

**May there soon be no need
for fund drives such as this.**
Phyllis Pullman

In loving memory of
Brooke Chase Gettleman
an angel in life and for eternity

**Friends of
Gus & Sue Sirot**

NAM MYOHO RENGE KYO
BRUCE SINGLETON

*To Our Precious Son Evan
& Amazing Father/Grandpa Stan,*



We love and miss you so much.

If you could have lived on alone...you would have lived forever.

You made us see what's most important in life.

You are always in our hearts.

Love, Shari, Jeff, Justin, Leigh & Sydney

In loving memory of Francie Berkwits

Caring sister-in-law • Concerned aunt

• Consummate traveler • Compassionate counselor

Who, for over 50 years (and multiple “retirements”),

never lost her drive and passion for the cause.

Gloria, Leland, Jeffrey & Michael Berkwits

In Memory of Fran Berkwits

Dedicated to helping families

Committed to education and carrier screening

She really made a difference!

Merri & Murray Benbasset

In loving memory of

Alan Mark Thaler

Aunt Miriam and Uncle Al (ל"ד)

Judy, Rob, Daniel & Isabel Sherrell

Samuel, Nicole, Aaron & Adam Storch

Maury Storch

In honor of
Marion Yanovsky



Thank you for the love and friendship you
gave to Francie Berkwits and the comfort
you have brought to our families.

The Berkwits and Elberg Families

The Mathew Forbes Romer Foundation

salutes

NTSAD

as its partner in the fight against Children's Genetic Diseases.

*We cherish the memories of Mathew,
who lost his fight to Tay-Sachs in March 2003.*

Thank you to

Renée & Michael Sussman

*for their generous support
in advancing the vital programs of NTSAD*

In Honor of

Elyse & Matt Chaifetz

Sue & Gus Sirot

*Not only was Fran a dear
Flying Club friend,
but also a very special,
wonderful, caring person*

Shirley Hartman

In memory of

Owen Brandt

Beloved Brother-In-Law & Uncle

Marion & Charlie
Susan, Alan, Jason & Bryan
Steven & Asher

Congratulations to

Debbie & Arthur Kupperman

*on the marriage of their daughter
Elyse to Matt Chaifetz.*

Sue & Gus Sirot

In Memory of Daniel Jacobson

With great admiration for his many years of dedication in the quest to raise awareness for prevention and fund research to find a cure for Tay-Sachs disease.

NTSAD celebrates his life!



An accomplished woman, who can find?
Her value is far beyond pearls.

~ Eshet Chayil, Book of Proverbs 31

It is with great sadness and respect that the NTSAD Family had to say goodbye to a woman who embodied the NTSAD mission.

Frances Berkwits, MS, CSW
August 19, 1922 - June 29, 2014

Our deepest condolences to her family and close friends. We know she cherished her roles as mother, grandmother, great-grandmother, and friend.

She will be missed and may comfort be found in her legacy which will be felt for generations.

With deep affection and respect,

The NTSAD Staff
Sue, Joan, Diana and Ingrid

In Memoriam

Harry Silberfarb January 3
Rose Weisfeld January 5
Herbert Gordon January 6
Samuel Eisenberg January 7
Harold Feldman January 12
Sylvia Silberfarb January 17
Pearl Sirot. January 19
Jane Eisenberg January 29
Sydney Levy February 9
Charlotte Stark February 11
Harrison Hoffman February 17
Bernard Gecht February 24
Estelle Goldstein March 3
Matthew Forbes Romer March 8
Nathan Sider March 10
Alan Berg March 12
Mary K. Uscky March 25
Toby Gottlieb March 25
Alex Lifshitz April 12
Alan Thaler April 16
Albert Eisenberg April 21
Stanley Michelman May 7
Jack Zimmer May 8
Benjamin Gecht May 9
Esther Sider June 4
Harold Gottlieb June 4
Sarah Finkel June 7
Charles Goldstein. June 8
Harold Goldstein June 13
Sami Elena Mansour June 13
William Romer June 21
Gita Katz June 24
Nathan Zimmer June 25
Sidney Finkel June 26
Sheila Donner June 27
Frances Berkwits. June 29
Leon Finkel July 3
Dillon Henry July 6
Sylvia Farber July 18
Leonard Chudnick July 20
Irwin Ungerleider July 21
Sarah Pinger August 7
Phyllis Chavis August 9
Shirley Leib August 10
Scott Peter Colton August 16
Wendy Gordon August 16
Jerry Sirot August 21
Ray Colton August 22

Saul Donner August 26
Adam Davis August 28
Ceil Benbasset September 9
Sheila Wasserman September 10
Leo Diamond September 14
Jack Finkel September 16
Susan Ungerleider September 27
Carole Colton September 29
Geraldine Finkel. October 3
Roberta Meyers. October 3
Alex Pinger October 4
Anna Finkel October 8
Henry Sirot October 9
Sophie Gecht October 12
Steven Berg October 19
Joseph Gentile October 26
Stella Zimmer October 27
Leon Jacobson. October 29
Dorothy Zaretsky October 28
Miriam Finkel October 30
Adele Zimmer November 2
Daniel Jacobson. November 7
Abner Berkwits November 10
Aaron Lifshitz November 9
Stephen Silberfarb November 15
Owen Brandt November 17
Emma Zimmerman. November 18
Helen Diamond November 23
Lester Pinger November 24
Irving Zaretsky November 25
Lorraine Gettleman December 4
Noah Jarashow November 30
Estelle Gordon December 8
Seymour Thaler December 16
Hayden Lord December 22
Evan Ungerleider December 23
Freida Bittner Herb Bittner
Jean McKenna Jeana Schneiderman
Bob Salomon Lillyan Salomon
Evelyn Sussman. Lenny Sussman
Sophie Lorito Betty Hazan
Ted Salomon. Ethel Berkman
Lynden Badal Arnold Feingold
Howard Greenberg Sheldon Greenberg
Allen Fein Ruth Dunkell



NATIONAL TAY-SACHS & ALLIED DISEASES ASSOCIATION

The mission of the National-Tay Sachs & Allied Diseases Association is to lead the fight to treat and cure Tay-Sachs, Canavan and related genetic diseases and to support affected families and individuals in leading fuller lives. We will accomplish our mission by funding global cutting edge research, by helping to provide families with compassionate care and support and by collaborating effectively with the healthcare community to achieve our goals.

Supporting NTSAD makes a difference!

Thank you to all who donated to this calendar.

National Office

2001 Beacon St. #204

Boston, MA 02135

(800) 906-8723

www.ntsad.org

Email: info@ntsad.org

New York Office

1515 Route 202 #90

Pomona, NY 10970-0090

(914) 672-7712

www.ntsad-ny.org

Email: info@ntsad-ny.org