Curriculum Vitae (January 1968 – Present)

NAME:	Dr. M.T. "Mike" Resch a.k.a. "MTR"
ADDRESS:	832 W. Godfrey Dr. Lincoln, NE 68521-3746
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URLS:	Resch.com , MTRinc.co

CITIZENSHIP:	United States of America
DEGREES:	**Bachelor of Science in Mechanical Engineering** University of Portland, Portland, OR 5/5/74 **Master of Science in Mechanical Engineering** University of Portland, Portland, OR 5/8/77 **Doctor of Philosophy in Materials Science and Engineering** Stanford University, Stanford, CA 1/6/83
PH.D. THESIS:	***Non-Destructive Evaluation of Small Surface Cracks using Surface Acoustic Waves***
EXPERIENCE:	Music Ministry, Teaching, Research, Funded Grants, Contracts, Proposals, Publications, Invited Seminars and Lectures, Mechanical Engineering & Materials Science, Expert Witness Testimony for Plaintiffs – Medical Product Liability Litigation, Materials Science and Mechanics, Initiation & Growth Behavior of Fatigue Microcracks, Ultrasonic Nondestructive Evaluation Techniques, Automated Data Acquisition and Control, Design and Manufacturing Defects in Biomedical Devices, Failure Analysis of Biomedical Devices, Breast Implant Manufacturer Identification, Digital Macrophotography and Microphotography

1. **EXPERIENCE: Music Ministry**

1.1 **St. John Fisher Catholic Church, Portland, OR (January 1968 – August 1970)**

1.1.1 #Catholic #Folk #SingerSongwriter

1.1.2 Led the High School Folk Group for weekly Rehearsals

1.1.3 Composed Psalm Responses for use at Mass

1.1.4 Led the High School Folk Group for weekly Sunday Morning Folk Mass

1.2 **University of Portland, St. Mary's Chapel, Portland, OR (October 1971 – September 1973)**

1.2.1 #Catholic #Folk #SingerSongwriter

1.2.2 Led the Undergraduate Folk Group for weekly Rehearsals

1.2.3 Composed Psalm Responses for use at Mass

1.2.4 Led the Undergraduate Folk Group for weekly Sunday Night Folk Mass

1.3 **St. Mary's Cathedral, Portland, OR (June 1976 – August 1977)**

1.3.1 #Catholic #Folk #SingerSongwriter

1.3.2 Composed "Communion Song" and "Song for Thomas"

1.3.3 Co-led the "Small Ensemble" for weekly Saturday Night Folk Mass

1.4 **Portland State University Newman Center, Portland, OR (September 1976 – August 1977)**

1.4.1 #Catholic #Folk #SingerSongwriter

1.4.2 Composed "Lord Have Mercy" and "Lord Teach Us How to Pray"

1.4.3 Co-led the "Small Ensemble" for weekly Sunday Night Folk Mass

1.5 **Stanford University Newman Center, Palo Alto, CA (September 1979 – September 1980)**

1.5.1 #Catholic #Folk #SingerSongwriter

1.5.2 Co-led the “Small Ensemble” for weekly Rehearsals

1.5.3 Co-led the “Small Ensemble” for weekly Sunday Morning Folk Mass for Young People & Composed “Trinity” & “Prayer of John Paul II”

1.6 **Church of the Nativity Catholic Church, Menlo Park, CA (September 1982 – August 1986)**

1.6.1 #Catholic #Folk #SingerSongwriter

1.6.2 Composed, “River of Life” & “Baptism Song”

1.6.3 Co-led the “Small Ensemble” for weekly Rehearsals

1.6.4 Co-led the “Small Ensemble” for weekly Sunday Morning Folk Mass

1.7 **North American Martyrs Catholic Church, Lincoln, NE (June 1988 – August 2003)**

1.7.1 #Catholic #Folk #SingerSongwriter

1.7.2 Co-led the “Small Ensemble” for the First Mass at the initiation of the Parish at the **Holiday Inn.**

1.7.3 Led the “Small Ensemble” for the First Mass when the Congregation moved to temporary quarters at **Goodrich Public School**.

1.7.4 Led the “Small Ensemble” for the First Mass when the Congregation moved to temporary quarters in the Gymnasium of **North American Martyrs Catholic School**.

1.7.5 Composed “Ambient Seashore”, “Morning of the Last Day”, “Meditation II”

1.7.6 Recorded first Album *A Cup of Cold Water* in 1998

1.7.7 Led the “Small Ensemble” for weekly Sunday Morning Rehearsals and Folk Mass

1.7.8 Removed from the Music Ministry at N.A.M. Parish at the time when Mass began in the new Church by Fr. Joel Panzer and Choir Director Mary Reisdorf as a result of my questioning of his edict preventing musicians from plugging their electronic instruments into the new Church P.A. system in addition to a disagreement between us regarding the preferred tempo of a single Hymn out of approximately 3,900 Hymns over 15 years that I had successfully led the Congregation to sing at Mass without any complaints.

1.8 **Spiritual Journey, Lincoln, NE (August 2003 – July 2016)**

1.8.1 #Catholic #Folk #SingerSongwriter

1.8.2 Prayed and Meditated about the future of *A Cup of Cold Water*. Decided to find a way to give it away for free since God had given it to me for free.

1.9 **Twitter.com/MTR @MikeResch, Lincoln, NE (July 2016 – Present)**

1.9.1 #Catholic #Folk #SingerSongwriter

1.9.2 Used Twitter to provide Audio, Visual, and Digital access (Listening, Reading Track and Album Details, Reading Lyrics, Downloading Audio Files) to my Albums including *A Cup of Cold Water* for numerous Sites for free to the least of the brethren. Inspired by the Gospel of Matthew 10:42 to give "a cup of cold water" to the least of the brethren for the brethren's sake.

1.9.3 Subscribed to the following Lists: "Folk Artists and Labels by Folk Phenomena", "Sports by Tom", "Soulful People by FLOY", "#Electro by music", "#allmusic by music". Member of the following Lists: "Praise the Creator by Jeck", "jesuschrist by Jeck", "NiceAsPie by John Turley", "Music + Film by Fr Brad Sweet", "Sublime by Subtileous", "CatholicFollowChain by Dr.BrianKiczek", "TwitterStorms by Dr.BrianKiczek", "Malta Lovers by WowMalta Tips", "MyFollowers by MAESTRO 460", "MyFollowers by Spoken Life", "Folkies by Highland Ramblers", "Mentioned You by ThisIsTheTinMan", "shoutedmeout by WOLFSTAMPPROMOZ", "People Ive Liked by Rebecca", "Awesome People on Twitter by Rebecca", "Twitter Experts by Rebecca", "Social Media Marketing by Achir Tavershima", "concert by Brandy App", "Rockstars by Laurent Dunys", "Mentioned You by Paul Robson", "Northern Rednecks by @eddieriel", "Singersongwriter by Stone Rolla", "Music by Factor_y_Beats", "Mentioned You by @eddieriel", "#allmusic by music", "Linkedin by GhostBloggerForHire", "Linkedin Power Sourcers by Pedro Caramez", "Catholic by Lowell Johnson", "Top-influencer_folk by Cloud of Music", "Spiritual Seekers by Gopala Krishnan", "Catholic_Tweets by Andre Piazza". Created the following List: "Artists I Respect by MTR"

1.10 **SoundCloud.com/MTR, Lincoln, NE (July 2016 – December 2016)**

1.10.1 Used SoundCloud to provide Audio and Visual access (Listening, Reading Track and Album Details) to my Tracks and Album, *A Cup of Cold Water* for free to the least of the brethren. Inspired by the Gospel of Matthew 10:42 to give "a cup of cold water" to the least of the brethren for the brethren's sake.

1.11 **Corel PaintShop Pro X9 (64 bit)/MTR, Lincoln, NE (July 2016 – Present)**

1.11.1 Used Corel software to create Album Art for eight *Christian* & *Gospel Genre* Albums on my Bandcamp Site: *Self Portrait, Ambient Seashore, A Cup of Cold Water-Catholic, The Best of Big Daddy Weave, The Best of Steven Curtis Chapman, Christian Contemporary V, Jeremy Camp (1996-2019) and Jesus Music II*.

1.11.2 Used the software to create New Album Art for *A Cup of Cold Water – Catholic* using Masking and Gradient Fill Techniques to enable a Three Dimensional Effect. Also used the software to create a New MTR Self Portrait for the Artwork on Men's and Women's Tees for Bandcamp Merchandise.

1.12 **The Most Rev. James D. Conley, Bishop of Diocese of Lincoln, NE (July 2016 – October 2016)**

1.12.1 #Catholic #Folk #SingerSongwriter

1.12.2 Sent 2 Emails requesting an *Imprimatur* for the Album *A Cup of Cold Water* over two months. No reply.

1.12.3 Sent one document by Email requesting an *Imprimatur* for the Album. Email rejected by Internet provider because the alias the Diocese uses for replies to Emails is not connected to their domain.

1.12.4 Sent several Tweets using the Bishop's Twitter Name requesting an *Imprimatur* for the Album. No response. The Bishop has Notifications turned off for those Twitter accounts he is not Following.

1.12.5 Sent several Faxes to the Diocesan Chancery requesting that the Bishop grant an *Imprimatur* for the Album, or at least respond to my request for a dialogue. No response.

1.12.6 Sent several letters to the Bishop via the Chancery office requesting that a Tweet or Link to my Album be embedded in the Diocesan Website.

1.12.7 In October of 2016 received a letter from the Bishop explaining that the *Imprimatur* was not granted for Musical Compositions. He apologized for his lack of communication, and praised me for my prayerful missionary zeal.

1.13 **Bandcamp.com/MTR, Lincoln, NE, (November 2016 – Present)**

1.13.1 #Catholic #Folk #SingerSongwriter

1.13.2 Used Bandcamp to provide Audio, Visual, and Digital access (Listening, Reading Track and Album Details, Reading Song Lyrics, Downloading six out of nine albums for FREE. Inspired by the Gospel of Matthew 10:42 to give "a cup of cold water" to the least of the brethren for the brethren's sake.

1.13.3 Created "New A Cup of Cold Water Design" Hoodies for $22.00 each and "New MTR Self Portrait Design" Men's and Women's Tees for $13.20 each New Merchandise for the Site.

1.14 **MySpace.com/MTR, Lincoln, NE, (December 2016 – December 2018)**

1.14.1 #Catholic #Folk #SingerSongwriter

1.14.2 Used MySpace to provide Audio and Visual access (Listening, Reading Track and Album Details) to my Album, *A Cup of Cold Water - Original* for free to the least of the brethren. Inspired by the Gospel of Matthew 10:42 to give "a cup of cold water" to the least of the brethren for the brethren's sake.

1.15 **Mission Statement, Lincoln, NE (December 2016 – Present)**

1.15.1 #Catholic #Folk #SingerSongwriter

1.15.2 I am a #Catholic #Folk #SingerSongwriter inspired by the Holy Spirit and the Gospel of Matthew 10:42 to give "a cup of cold water" for free to the least of the brethren for the brethren's sake. My Mission is: First, to get my newest Album, *A Cup of Cold Water-Catholic* (10 Track Version) available on Apple Music bit.ly/MTRinAppleMusic and on the *iTunes* Store bit.ly/MTRoniTunes. Second, to use the proceeds from these two Sources and other Distributing Partners (200 Worldwide) to get enough funds to utilize LegalZoom to create a Nonprofit Entity called MTR, Inc. to support worthy Catholic Causes. Third, to assign the Copyrights to my new Album applied for on 2/9/17 to MTR, Inc. once they are assigned, and to further use MTR, Inc. to Copyright the Melody and Lyrics to the Vocal Tracks on the new Album. Fourth, to use my Twitter

Account, MTR (@MikeResch) and my account on Bandcamp to continue to give Free Downloads of *A Cup of Cold Water – Catholic* (10 Tracks) to the least of the brethren for the brethren's sake. Fifth, to develop a Following on my new Twitter Account, MTR, Inc. (@MTRinc2) to promote my newest Album in order to solicit funding for my new Nonprofit.

1.16 **TopCatholicSongs.com/MTR, Lincoln, NE, (January 2017 – January 2018)**

1.16.1 #Catholic #Folk #SingerSongwriter

1.16.2 Used TopCatholicSongs bit.ly/MTRonTCS to provide Audio, Visual, and Digital access (Reading Track and Album Details, Reading Song Lyrics using bit.ly/MTRsBlog, Listening to and Downloading sound files, for Free (200 Downloads a month)) to my Album, S*elf Portrait* (13 Tracks) using bit.ly/MTRsAlbum to the least of the brethren. Inspired by the Gospel of Matthew 10:42 to give "a cup of cold water" to the least of the brethren for the brethren's sake

1.17 ***iTunes* & Apple Music/MTR, Lincoln, NE, (February 2017 – Present)**

1.17.1 #Catholic #Folk #SingerSongwriter.

1.17.2 Submitted my New Album entitled *A Cup of Cold Water – Catholic* (10 Tracks) to CD Baby, the *Aggregator* between myself and *iTunes.* I submitted the new Album called *A Cup of Cold Water – Catholic* to *iTunes* through the *Aggregator.* It was Published on *iTunes* on 2/22/17 with the Title changed to *A Cup of Cold Water,* because the Original Title didn't conform to *iTune's* Style Guide. I have been Promoting the Album using my Twitter Account: MTR (@MikeResch) utilizing Bitlinks for Apple Music's Browse: bit.ly/MTRinAppleMusic, and for *iTune's* Store: bit.ly/MTRoniTunes. Additionally, I have been using a Video Playlist of the 10 Tracks on the Album produced utilizing the Visual Frequency Spectrum Analysis Capabilities of *GoldWave* Audio File Editing Software (64 bit) v. 6.24 combined with *Corel's* (64 bit) Screen Capture (*Video/Stereo Audio*) Software *ScreenCap.* This was accomplished by Playing the Wave PCM signed 32 bit, 48 kHz Sampling Rate, 3072 kbits/sec Bit Rate Audio Files *Originally Recorded in my Studio at Resch Engineering, Inc. during the Fall of 1998*, using the *GoldWave* app and Recording the resulting Visual Frequency Spectrum Analysis and Stereo Output of *GoldWave* using *ScreenCap* to Produce *Video/Stereo Audio*

Files of Type: **.mp4** to upload to my *YouTube* Channel: *Michael Resch – YouTube* and Produce a Video Playlist entitled: *"A Cup of Cold Water" by MTR* on my *YouTube* Channel accessed by the Bitlink: bit.ly/ACoCWbyMTR, which I have also used to Promote my new Album using my Twitter Account MTR (@MikeResch).

1.18 **Resch.com, Lincoln, NE (June 2017 – Present)**

1.18.1 #Catholic #Folk #SingerSongwriter.

1.18.2 Resurrected my old Web Site from my Resch Engineering, Inc. period to update it with things which are going on with respect to my Music Ministry.

1.18.3 Added a "Featured Music Video" to the top of the page entitled "Roll Down the Ages" as a welcome to MTR's Place.

1.18.4 Added a new line of Women's and Men's Apparel based on my updated Album Art for *A Cup of Cold Water* and a New MTR Self Portrait.

1.18.5 Added a Section on Promoting my new Album, *A Cup of Cold Water* on *iTunes* which was Published on 2/22/17.

1.18.6 Added a Section entitled ***Nine Embedded Albums*** for Web Site Visitors to sample the different "Vibes" of my nine Published Albums. Included Downloadable PDFs of ***MTR's Biography*** and ***Info & Lyrics to "Self Portrait".***

1.18.7 Created over 100 Videos of Contemporary Christian Songs chosen from the multiple albums posted on Resch.com for FREE Download, on my YouTube Site: **Michael Resch – YouTube** including six Playlists for Visitors to my YouTube site to watch and listen to. A Link to this Site is included in the section: **MTR's YouTube Links** on Resch.com.

1.19 **MTRinc.co, PRESIDENT: MTR, Inc., Lincoln, NE (June 2021-Present)**

1.19.1 A Public, Religious, Non profit Corporation whose Mission is: "To Spread the Gospel to All Nations" by Creating Contemporary Christian Digital Media (e.g., Audio Albums & Music Videos) to distribute using Twitter and Facebook, Resch.com, MTRinc.co, MichaelResch.Bandcamp.com, bit.ly/MTRsYouTube, and playing Contemporary Christian Music at Hospices using my Voice and my Guitars: *St. Camillus, St. Peter*, and *St. Michael.*

2. **EXPERIENCE: Teaching**

2.1 **TEACHING ASSISTANT (1973-1976), ADJUNCT INSTRUCTOR (1976-1977)**

University of Portland, Multnomah School of Engineering, Portland, Oregon

2.1.1 ME 221, "Materials Science and Engineering", undergraduate level, 3 credit hours

2.1.2 ME 222, "Mechanical Laboratory I - Materials Science", undergraduate level, 1 credit hour

2.1.3 ME 341, "Mechanical Laboratory II - Thermodynamics", undergraduate level, 1 credit hour

2.1.4 ME 342, "Mechanical Laboratory III - Advanced Thermodynamics", undergraduate level, 2 credit hours

2.1.5 ME 461 "Hydraulics", undergraduate level, 3 credit hours

2.2 **TEACHING ASSISTANT (1977-78)**

Stanford University, Department of Materials Science & Engineering, Stanford, California

2.2.1 MS&E 202A "Experimental Methods in Materials Science - Thermodynamics and Kinetics of Materials", graduate level, 2 credit hours

2.3 **ASSISTANT PROFESSOR, member of Graduate Faculty (1987-1993)**

University of Nebraska-Lincoln, Department of Engineering Mechanics, Lincoln, Nebraska

2.3.1 EngrM 223, "Statics", undergraduate level, 3 credit hours

2.3.2 EngrM 250, "Mechanics I - Statics", undergraduate level, 2 credit hours

2.3.3 EngrM 350, "Mechanics II - Dynamics", undergraduate level, 2 credit hours

2.3.4 EngrM 324, "Strength of Materials", undergraduate level, 3 credit hours

2.3.5 EngrM 325, "Mechanics of Elastic Bodies", undergraduate level, 3 credit hours

2.3.6 EngrM 335, "Elements of Structural Materials", undergraduate level, 2 credit hours

2.3.7 EngrM 373, "Dynamics", undergraduate level, 3 credit hours

2.3.8 EngrM 376, "Structural Materials Laboratory", undergraduate level, 1 credit hour

2.3.9 EngrM 852, "Experimental Stress Analysis", graduate level, 3 credit hours (2 hours lecture, 1 hour lab)

2.3.10 EngrM 8xx, "Structural Fatigue", graduate level, 3 credit hours, (approved by Department of Engineering Mechanics)

2.3.11 EngrM 8xx, "Crystalline Anisotropy", graduate level, 3 credit hours, (approved by Department of Engineering Mechanics)

2.4 **ASSOCIATE PROFESSOR, member of Graduate Faculty (1993-1994)**

University of Nebraska-Lincoln, Department of Engineering Mechanics, Lincoln, Nebraska

2.4.1 EngrM 223, "Statics", undergraduate level, 3 credit hours

2.4.2 EngrM 324, "Strength of Materials", undergraduate level, 3 credit hours

2.4.3 EngrM 335, "Elements of Structural Materials", undergraduate level, 2 credit hours

2.4.4 EngrM 376, "Structural Materials Laboratory", undergraduate level, 1 credit hour

3. **EXPERIENCE: Research**

3.1 **RESEARCH ASSISTANT (1977-82)**

Stanford University, Department of Materials Science & Engineering, Stanford, California

Conducted original research funded by the National Science Foundation concerning:

3.1.1 Development and experimental verification of an ultrasonic technique to measure the maximum normalized stress intensity factor of semi-elliptical shaped surface cracks in metals and ceramics

3.1.2 Development and experimental verification of an ultra-high frequency eddy current technique to measure the variation of crack mouth opening displacement of surface fatigue cracks as a function of applied tensile stress in metals

3.1.3 Development and experimental verification of an ultrasonic technique to measure the maximum crack depth of microscopic semi-elliptical shaped surface fatigue cracks in-situ during fatigue cycling with a servo hydraulic testing machine

3.1.4 Development and experimental verification of an ultrasonic technique to measure the opening behavior of microscopic surface fatigue cracks in-situ during fatigue cycling

3.2 POST-DOCTORAL RESEARCH AFFILIATE (1982-1986)

Stanford University, Department of Materials Science & Engineering, Stanford, California

Conducted original research funded by U.S. Department of Energy concerning:

3.2.1 The effect of microstructure on small fatigue crack behavior in quenched and tempered 4140 steel monitored with surface acoustic waves

3.2.2 The use of a surface acoustic wave technique to study the growth behavior of small cracks in a high strength steel alloy

3.3 ASSISTANT PROFESSOR (1987-1993)

University of Nebraska-Lincoln, Department of Engineering Mechanics, Lincoln, Nebraska

Designed and implemented an ultrasonic NDE laboratory for Small Fatigue Crack Growth characterization.

3.3.1 Ultrasonic Equipment: 300 MHz digitizing oscilloscope with 100 picosecond time delay sensitivity, 50 MHz computer controlled pulse/function generator, two 10 MHz 60 dB signal amplifier and conditioners, Step less gate, 50 Db power amplifiers, assorted SAW wedge transducers

3.3.2 Servo hydraulic Equipment: MTS 810 closed loop testing system with 6 GPM pump, 25 kN load frame with hydraulic locks and lifters, 458.2 Micro console, 458.91 Micro profiler digital function generator, 459.1 Test link Interface, Data Translation 2818 data acquisition board with 27 Khz maximum sampling rate on 4 channels simultaneously, IBM PC-AT system controller dedicated for data acquisition and control, LaserJet Series II laser printer, Hewlett Packard 2393A Terminal, Ether Link II system

3.4 **AFOSR/SFRP SUMMER FELLOW (6/5/89-8/18/89)**

Wright Research and Development Center, Precision Ultrasonics Laboratory, Wright Patterson Air Force Base, Ohio

Conducted original research funded by the Air Force Office of Scientific Research through Universal Energy Systems Inc. in the following area:

3.4.1 Evaluation of nonlinear digital filtering techniques to improve the minimum detectable crack size of fatigue microcracks by a Nondestructive technique.

3.5 **PRINCIPAL INVESTIGATOR (1/1/90-12/31/90)**

University of Nebraska-Lincoln, Lincoln, Department of Engineering Mechanics, Lincoln, Nebraska

Conducted original research funded by AFOSR through UES concerning:

3.5.1 Development and experimental verification of the effectiveness of nonlinear digital filtering algorithms for enhancing the detection of specular reflections from fatigue microcracks in the presence of nonspecular reflections of microstructural origin.

3.5.2 Development and experimental verification of an improved ultrasonic scattering model for measuring crack depth using the amplitude of reflected Rayleigh wave echoes from cracks

3.6 **AFOSR/SFRP SUMMER FELLOW (5/14/90-7/20/90)**

Wright Research and Development Center, High Temperature Ceramics and Metals Laboratory, Wright Patterson Air Force Base, Ohio

Conducted original research funded by AFOSR through UES in the following areas:

3.6.1 Detection of fatigue microcrack initiation behavior in aluminum lithium alloys and titanium aluminide alloys using split spectrum processing of Rayleigh wave scattering.

3.6.2 Measurements of Fatigue Microcrack Opening Behavior using Laser Interference Displacement Gage and Surface Acoustic Wave Techniques.

3.7 **VISITING SCIENTIST (5/20/91-8/9/91)**

Wright Laboratory, Materials Directorate, High Temperature Ceramics and Metals Laboratory, Wright Patterson Air Force Base, Ohio

3.7.1 Conducted original research funded by AFOSR through Systran Corp. in the following areas: Miniature dual element contacting wedge transducers for automated detection of microcrack initiation and growth in aluminum lithium alloys.

3.7.2 Detection of microcrack initiation and growth near holes and notches in metal matrix composites using Lamb wave scattering.

3.7.3 Comparison of ultrasonic measurements of surface microcrack opening behavior with laser interference displacement measurements.

3.7.4 Development of ultrasonic techniques for nondestructive detection of microcrack initiation and growth at elevated temperatures

3.8 **PRINCIPAL INVESTIGATOR (10/1/91-10/21/92) University of Nebraska-Lincoln, Department of Engineering Mechanics, Lincoln, Nebraska**

3.8.1 Conducted original research funded by Wright Laboratory Materials Directorate at Wright-Patterson AFB through Systran Corporation concerning development and fabrication of prototype of miniature dual-element contacting surface acoustic wave wedge transducers for automated detection of fatigue microcrack initiation and opening behavior in advanced aerospace materials.

3.9 **PRINCIPAL INVESTIGATOR (7/1/93-9/1/93) University of Nebraska-Lincoln, Department of Engineering Mechanics, Lincoln, Nebraska**

3.9.1 Conducted original research funded by Resch Engineering, Inc., concerning: Characterization of the mechanical properties of silicone elastomer materials used in biomedical devices. Analysis of failure modes of gel filled mammary implants. Degradation of mechanical properties of silicone elastomer materials due to gel diffusion and swelling

4. **EXPERIENCE: Funded Contracts, Grants, Proposals**

4.1 **Co-author**, *"The Use of Surface Acoustic Waves to Study Small Fatigue Cracks"*, U.S. Department of Energy, 7/1/82-6/30/86, $520,000.

4.2 **Principal Investigator**, "Development of an Acoustic NDE Laboratory for Fatigue and Fracture Research", Dean of Engineering, 1/1/87-6/1/88, $80,000

4.3 **Principal Investigator**, "Development of Surface Acoustic Wave Wedge Transducers for Nondestructive Evaluation of Small Surface Cracks in Ceramics and Metals at Temperatures between 0 and 1000 degrees Celsius", UNL Layman Fund, 5/15/88-5/15/89, $12,000.

4.4 **Principal Investigator**, "Ultrasonic Nondestructive Evaluation Behavior of Creep, Fatigue and Residual Stress", UNL Center for Materials Research & Analysis, 10/1/88-5/1/89, $5,000.

4.5 **Principal Investigator**, "Joint Effort between UNL and ONERA in Fatigue and Fracture", UNL Faculty Development Fund, 5/15/89-8/15/89, $2,000.

4.6 **Principal Investigator** and **Independent Contractor**, "Improvement in the Detection of Microcrack Initiation and Growth During Fatigue Cycling by Surface Acoustic Wave Scattering", Air Force Office of Scientific Research and Universal Energy Systems, Inc., 6/5/89-8/17/89, $10,543.

4.7 **Principal Investigator**, "Detection of Fatigue Crack Initiation using Surface Acoustic Waves", Air Force Office of Scientific Research and Universal Energy Systems, Inc., 1/1/90-12/31/90, $19,999.

4.8 **Principal Investigator** and **Independent Contractor**, "Ultrasonic Techniques for Automated Detection of Fatigue Microcrack Initiation and Opening Behavior", Air Force Office of Scientific Research and Universal Energy Systems, Inc., 5/16/90-7/23/90, $11,134.

4.9 **Principal Investigator** and **Independent Contractor**, AFOSR/UES Summer Graduate Student Research Program, for UNL student Margo McDowell to perform original research at the Air Force Materials Laboratory, Wright-Patterson Air Force Base, Air Force Office of Scientific Research and Universal Energy Systems, Inc., 5/16/90-7/23/90, $6210

4.10 **Principal Investigator**, "Automated Detection of Fatigue Microcrack Initiation and Growth Behavior", for UNL student Yerrapalli Shekar to perform original research at the Air Force Materials Laboratory, Wright-Patterson Air Force Base, Air Force Office of Scientific Research and SYSTRAN Corp., 5/20/91-8/9/91, $10,290.

4.11 **Principal Investigator** and **Independent Contractor**, "Microcrack Initiation and Growth in Metals", Air Force Office of Scientific Research and SYSTRAN Corp., 5/20/91-8/9/91, $15,727.

4.12 **Principal Investigator**, "Miniature Transducers for Automated Detection of Initiation and Growth of Fatigue Microcracks", Wright Laboratory, High Temperature Metals and Ceramics Branch, Laboratory Development Fund and SYSTRAN Corp., 10/1/91-8/13/92, $28,702.

4.13 **Principal Investigator**, "Viscoelastic Behavior of Silicone Elastomer Materials", Resch Engineering, Inc., 5/13/93-8/13/93, $3,000

5. **EXPERIENCE: Publications**

5.1 **Peer-reviewed Articles:**

5.1.1 Resch, M.T., Khuri-Yakub, B.T., Kino, G.S., and Shyne, J.C., *"The Acoustic Measurement of Stress Intensity Factors"*, **Applied Physics Letters**, Vol. 34, No. 3, 1979, pp. 182-184

5.1.2 Resch, M.T., Nelson, D.V., Yuce, H.H., and Ramusat, G.F., *"A Surface Acoustic Wave Technique for Monitoring the Growth Behavior of Small Surface Fatigue Cracks"*, **Journal of Nondestructive Evaluation**, Vol. 5, No. 1, 1985, pp. 1-7

5.1.3 Resch, M.T., Nelson, D.V., Yuce, H.H., and London, B.D., *"Use of Nondestructive Evaluation Techniques in Studies of Small Fatigue Cracks"*, **Basic Questions in Fatigue: Volume I, ASTM STP 924**, J.T. Fong and R.J. Fields, Eds., American Society for Testing and Materials, Philadelphia, 1988, pp. 323-336

5.1.4 Resch, M.T., and Nelson, D.V., *"An Ultrasonic Method for Measurement of Size and Opening Behavior of Small Fatigue Cracks"*, **Small Crack Test Methods, ASTM STP 1149**, J.M. Larsen and J.E. Allison, eds., American Society for Testing and Materials, Philadelphia, 1992, pp. 169-196.

5.1.5 Resch, M.T., and Karpur, P., *"Split Spectrum Processing of Rayleigh Wave Scattering to Improve Detectability of Fatigue Microcracks"*, **Cyclic Deformation, Fracture, and Nondestructive Evaluation of Advanced Materials, ASTM STP 1157**, M.R. Mitchell and O. Buck, eds., American Society for Testing and Materials, Philadelphia, 1992, pp. 323-333.

5.1.6 Cheng, A., and Resch, M.T., "*Acoustic Scattering Models for Distribution of Cracks",* **Ultrasonics**, Vol. 33, No. 1, 1995, pp. 31-35.

5.1.7 Cheng, A., and Resch, M.T., "*Modelling and Evaluating the Scattering of Rayleigh Waves for a Linear Distribution of Surface Cracks",* **Journal of Nondestructive Evaluation**, Vol. 14, No. 3, 1995, pp. 99-104.

5.1.8 Cheng, A., and Resch, M.T., *"Numerical Evaluation of the Reflection Coefficient of Rayleigh Waves Using the Weight Function Estimation Method"*, **Journal of Applied Mechanics**, in review

5.2 **Edited Articles in Books:**

5.2.1 Resch, M.T., Tien, J., Khuri-Yakub, B.T., Kino, G.S., and Shyne, J.C., *"Fracture Prediction by Rayleigh Wave Scattering Measurement"*, **Mechanics of Nondestructive Testing**, W.W. Stinchcomb ed., Plenum, New York, 1980, pp. 197-216.

5.2.2 Resch, M.T., Nelson, D.V., Shyne, J.C., and Kino, G.S., *"Surface Acoustic Wave Monitoring of Growth of Small Fatigue Cracks"*, **Advances in Crack Length Measurement**, C.J. Beevers, ed., Engineering Materials Advisory Services Ltd., West Midlands, England, 1982, pp. 473-504.

5.2.3 Resch, M.T., Shyne, J.C., Kino, G.S., and Nelson, D.V., *"Long Wavelength Rayleigh Wave Scattering from Microscopic Surface Fatigue Cracks"*, **Review of Progress in Quantitative Nondestructive Evaluation, Vol. 1**, D.O. Thompson and D.E. Chimenti, eds., Plenum Press, New York, 1982, pp. 573-578.

5.2.4 Resch, M.T., *"Non-Destructive Evaluation of Small Surface Cracks Using Surface Acoustic Waves"*, Ph.D. Dissertation, Stanford University, Stanford CA, University Microfilms International, Ann Arbor, 1983, 98 pp.

5.2.5 Resch, M.T., London, B.D., Ramusat, G.F., Yuce, H.H., Nelson, D.V., and Shyne, J.C., *"SAW NDE Techniques for Monitoring the Growth Behavior of Small Surface Fatigue Cracks"*, **Review of Progress in Quantitative Nondestructive Evaluation, Vol. 3A**, D.O. Thompson and D.E. Chimenti, eds., Plenum Press, New York, 1984, pp. 216-226.

5.2.6 Yuce, H.H., Nelson, D.V., and Resch, M.T., *"The Use of Surface Acoustic Waves to Study Small Fatigue Cracks in 7075-T6 Aluminum and 4340 Steel"*, **Review of Progress in Quantitative Nondestructive Evaluation, Vol. 4A**, D.O. Thompson and D.E. Chimenti, eds., Plenum Press, New York, 1985, pp. 103-113.

5.2.7 Karpur, P, and Resch, Michael T., *"Improved Detectability of Fatigue Microcracks by Split Spectrum Processing of Backscattered Rayleigh Waves"*, **Review of Progress in Quantitative Nondestructive Evaluation, Vol. 10A**, D.O. Thompson and D.E. Chimenti, eds., Plenum Press, New York, 1991, pp. 757-764.

5.2.8 Cheng, A., and Resch, M.T., "*Ultrasonic Scattering Models for 2-D and 3-D Distributions of Cracks",* **Review of Progress in Quantitative Nondestructive Evaluation,** in review.

5.2.9 Cheng, A., and Resch, M.T., "*A Numerical Technique for Evaluating the Scattering of Rayleigh Waves from a Planar Distribution of Surface Cracks",* **Review of Progress in Quantitative Nondestructive Evaluation,** in review.

5.2.10 Cheng, A., and Resch, M.T., "The Reflection Coefficient of Rayleigh Waves from Isolated Surface Cracks using the Weight Function Method", **Review of Progress in Quantitative Nondestructive Evaluation,** in review

5.3 **Articles in Conference Proceedings:**

5.3.1 Resch, M.T., *"The Engineering Education Process: How to Prepare Students for the Design Team"*, **IEEE Catalog No. 77CH1206-2 Region 6**, IEEE Conference, Portland, OR, 1977, pp. 118-120.

5.3.2 Resch, M.T., Khuri-Yakub, B.T., Kino, G.S., and Shyne, J.C., *"Stress intensity Factor Measurement of Surface Cracks"*, **Proceedings of 1st International Symposium for Materials Characterization**, Washington D.C., 1978.

5.3.3 Khuri-Yakub, B.T., Kino, G.S., Shyne, J.C., Resch, M.T., and Domarkas, V., *"Surface Crack Characterization: Geometry and Stress Intensity Factor Measurements"*, **Report #AFWAL-TR-78-4080**, Proceedings AFWAL/AFML Rev. Prog. QNDE, La Jolla, CA, 1978.

5.3.4 Resch, M.T., Muennemann, F., Auld, B.A., Winslow, D., and Shyne, J.C., *"Measurement of Surface Crack Opening Displacements Using Microwave Frequency Eddy Currents"*, **Report AFWAL-TR-81-4080**, Proceedings of DARPA/AFWAL Review of Progress in Quantitative NDE, La Jolla, CA, 1981, pp. 493-497.

5.4 Funded Research Reports:

5.4.1 Resch, Michael T., *"Detection of Fatigue Crack Initiation Using Surface Acoustic Waves"*, AFOSR-RIP Program Final Report, Contract No. F49620-88-C-0053/SB5881-0378, Universal Energy Systems, Inc., Dayton, OH.

5.4.2 Resch, Michael T., *"Microcrack Initiation and Growth in Metals"*, Systran Visiting Scientist Program Final Report, Contract F33615-90-C-5944, prepared for Wright Laboratory, Materials Directorate, Wright-Patterson AFB, OH.

5.4.3 Resch, Michael T., *"Microcrack Initiation Detection in Metals"*, Systran Final Report, Contract F33615-91-C-5944, prepared for Wright Laboratory, Materials Directorate, Wright-Patterson AFB, OH.

5.5 Patent Disclosures to UNL:

5.5.1 UNL-205 “Rayleigh Wave Scattering Model for Measuring the Size of Semi-Elliptical Surface Cracks", to H. Baumgarten on 3/27/92.

5.5.2 UNL-206 “Ultrasonic Technique and Apparatus for Measuring the Crack Closure Behavior of Semi-Elliptical Surface Cracks”, to H. Baumgarten on 3/27/92.

6. **EXPERIENCE: Invited Seminars & Lectures**

6.1 *Timken Bearings*, R&D Division, Canton, OH, "Ultrasonic NDE Techniques for Materials Characterization", 7/31/86

6.2 *University of Toronto*, Toronto, Canada, "Surface Acoustic Wave Techniques for Nondestructive Evaluation of Small Surface Fatigue Crack Growth Behavior", 12/9/86

6.3 *MTS Systems Inc.*, Minneapolis, MN, "Development of Quantitative Nondestructive Evaluation Techniques to Measure Fatigue Crack Growth Behavior", 6/25/87

6.4 *TMS-AIME Fall Meeting 1987*, Cincinnati, OH, "Large and Small Surface Crack Detection", 10/13/87

6.5 *Air Force Materials Laboratory*, Wright-Patterson Air Force Base, Dayton, OH, "Acoustic Techniques in Fatigue Research", 4/24/89

6.6 *United States Naval Academy*, Annapolis, MD, "Growth Behavior of Small Surface Fatigue Cracks", 5/17/89

6.7 *High Precision Ultrasonics Laboratory*, Wright Research and Development Center, Materials Evaluation Branch, Wright-Patterson Air Force Base, Dayton, OH, "Acoustic Measurements of Small Surface Crack Opening Behavior", 8/14/89

6.8 *University of Dayton Research Institute*, Dayton, OH, "Acoustic Techniques in Fatigue Research", 8/13/89

6.9 *Review of Progress in Quantitative NDE*, University of California at San Diego, "Improved Detectability of Fatigue Microcracks by Split Spectrum Processing of Backscattered Rayleigh Waves", 7/17/90

6.10 *High Temperature Metals and Ceramics Laboratory*, Wright Research and Development Center, WPAFB, Dayton, OH, "Comparison of Surface Acoustic Wave measurements of microcrack opening behavior with Laser Interference Displacement measurements", 7/24/90

6.11 *ASTM Symposium on Small-Crack Test Methods*, San Antonio, TX, "An Ultrasonic Method for Measurement of Size and Opening Behavior of Small Fatigue Cracks", 11/14/90

6.12 *ASTM Symposium on "Cyclic Deformation, Fracture, and Nondestructive Evaluation of Advanced Materials*, San Antonio, TX, "Split Spectrum Processing of Rayleigh Wave Scattering to Improve Detectability of Fatigue Microcracks", 11/13/90

6.13 *High Temperature Metals and Ceramics Laboratory*, Wright Laboratory, Materials Directorate, WPAFB, Dayton, OH, "Advances in Ultrasonic Detection of Microcrack Initiation and Growth", 8/1/91.

6.14 *Chi Epsilon E.I.T. Review*, Department of Civil Engineering, UNL, "Strength of Materials", Taught 8 review sessions from 1989-1992.

6.15 *Nebraska CORPNET Fundamentals of Engineering Review*, University of Nebraska-Lincoln College of Engineering and Technology Division of Continuing Studies, "Strength of Materials", 3/11/91, 9/28/92.

6.16 *FDA Dept. of Health and Human Services*, General and Plastic Surgery Devices Panel Meeting on the Safety of Breast Implants, Bethesda, MD, "Design Defects in Breast Implants", 2/19/92.

6.17 *American Trial Lawyers Association*, Breast Implant Litigation Group Annual Meeting, Washington, DC, "Design Defect Theory", 7/27/92.

6.18 *American Society for Metals*, Seminar, Omaha, NE "Ultrasonic Techniques in Fatigue Crack Growth Experiments", 4/15/93

7. **EXPERIENCE: Mechanical Engineering & Materials Science (1974-1982)**

7.1 *Stauffer Chemical Co.*, Portland, OR, *Plant Engineer*, Responsible for all Mechanical Design & Materials Science Projects plant-wide including: Site Boiler, Bauxite grinding facility, Lead-lined Steam tanks for formulating Aluminum Sulphate for the Paper Industry, application & handling of deadly Organophosphate chemicals for treating all manner of Agricultural Pests, Design & Fabrication of a Dyphonate Manufacturing facility including unloading railroad cars of concenetrate, mixing it with Xylene and other proprietary chemicals. Storage and Handling of concentrated Sulfuric Acid for Aluminum Sulphate manufacturing facility. Design & Fabrication of a new Plant Change Room Facility to include Male & Female workers. All in-plant training of Employees to satisfy OSHA requirements. (Duration: 1 year, 3 days)

7.2 *WESTCO*, Beaverton, OR, *CONSULTANT*, Calibration of fan testing apparatus using hot-wire anemometer and pitot tube air velocity analysis, thermodynamic analysis to account for changes in barometric pressure, temperature, and relative humidity on fan performance

7.3 *TAK Investors*, Portland, OR, *CONSULTANT*, performed mechanical testing and analysis on lock-nut design under consideration for U.S. Patent application

7.4 *Plasti-Fab*, Tualatin, OR, *CONSULTANT*, performed mechanical testing and analysis of fracture behavior of glass fiber reinforced composite materials for use in waste treatment industry

7.5 *ESCO Co.*, Portland, OR, *CONSULTANT*, performed fatigue testing of high strength steel rigging cables

7.6 *LITTON SYSTEMS CO.*, Woodland Hills, CA, *CONSULTANT*, Mechanical testing and analysis of fatigue behavior of proprietary materials for advanced weapons systems and commercial applications

8. **EXPERIENCE: Failure Analysis - Medical Products (1982 - 2004)**

8.1 *Alvey et al. v. McGhan Medical Co. et al.*, No. C85-1565C, in the United States District Court, Western District of Washington

8.2 *Archer v. Aesthetic Corp. et al.*, No. NO.92CV1149, Courtroom 1, District Court, City and County of Denver, State of Colorado

8.3 *Becken v. American Edwards Laboratories*, No. A8703-01420, in the state of Oregon, Multnomah County Circuit Court

8.4 *Doe v. Dow Corning*, No. LR-C-86-339, In the United States District Court, Eastern District of Arkansas, Western Division

8.5 *Lopez v. American Medical Systems*, Inc., No. 816829, in the Superior Court of the State of California, in and for the County of Santa Clara

8.6 *Mulvey v. Surgitek, et al.,* No.91-CV-4839, Courtroom 1, District Court, City and County of Denver, State of Colorado

8.7 *Rhodes v. McGhan Medical Co.*, No. 7773310, in the Superior Court of the State of California in and for the County of San Francisco

8.8 *Sullivan et al. v. Vitek, Inc.*, No. 87-2-030066-1, in the Superior Court of the State of Washington for King County

8.9 *Smyth et al., v. American Heyer-Schulte Corp., et al.*, No. 3-96 Civil 689, in the United States District Court, District of Minnesota, Third Division.

9. **EXPERIENCE: Expert Witness Testimony for Plaintiffs in Depositions - Medical Product Liability Litigation (1982-2004)**

9.1 *Adair v. Dow Corning*, No. 89-64698-NP, State of Michigan, in the Circuit court for the County of Ingham

9.2 *Alcorn v. Bristol-Myers Squibb, Co., et al.*, No. 93-12617-F, In the District Court of Dallas County, Texas, 116thJudicial District

9.3 *Bachman v. Medical Engineering Co. and Dr. Kennedy*, No. C86-143TB, In the United States District Court, Western District of Washington

9.4 *Bechert, et al. v. Telectronics Pacing Systems, et al.,* Case No. MDL 1057, In the United States District Court, For the Southern District of Ohio, Western Division

9.5 *Bender et al. v. Dow Corning Corporation*, No. 93-311291-NP et al., State of Michigan, in the Circuit Court for the County of Wayne

9.6 *Berthelot v. Medical Engineering Corporation, et al.,* No. 92-058754, in the 129th Judicial District Court of Harris County, Texas

9.7 *Bevis v. Khalil, et al.,* No. 356830, In the Common Pleas Court of the State of Ohio in and for the county of Cuyahoga

9.8 *Bishop v. McGhan Co., et al.*, No. 479228, in the Superior Court of the State of California, in and for the County of Santa Clara

9.9 *Bowles v. Medical Engineering and Heyer-Schulte*, No. 85-0087-C, In the United States District Court, Western District of Virginia, Charlottesville Division

9.10 *Brandenberg et al. v. Dow Corning,* No. C-1-91326, In the United States District Court, Southern District of Ohio, Western Division

9.11 *Carter et al. v. Dow Corning et al.*, Master File No. CV 92-P-1000-S, Silicone Gel Breast Implants Products Liability Litigation MDL-926, in the United States District Court for the Northern District of Alabama, Southern District

9.12 *Cecchettini et al. v. Dow Corning Corporation, et al.*, Case No. JCCP-2754-02619, No. 541171, Superior Court of the State of California, County of San Diego

9.13 *Celiberti et al. v. Dow Corning Corp., et al,* Case No. JCCP No. 2754-01594, No. 681802, Superior Court of the State of California, County of San Diego

9.14 *Clark v. Baxter Healthcare Corp,* No. 91899A, In United States District Court for the Eastern District of Virginia, Alexandria Division

9.15 *Davis v. McGhan Medical Corporation, et al.*, No. JCCP-2754-00140, In the Superior Court of the State of California in and for the County of San Diego

9.16 *Davis v. 3M et al.*, No. 1:99CV1216SS, in the District court of Columbia, District of Columbia

9.17 *Dawson v. Bristol-Meyers Squib Company, et al.*, No. 92-13535, In the District Court of Dallas County, 193rd Judicial District, Texas

9.18 *Doe v. International Technidyne Corp.,* No. 95-3433, Sec. "A", Mag. 2, United States District Court, Eastern District of Louisiana

9.19 *Doykos v. Dow Corning Corp., et al.*, No. SC528478, in the Superior Court of California, County of Sacramento

9.20 *Dyke v. Baxter International, Inc. et al.*, No. 94-08415, in the 98th Judicial Court of Travis County, Texas

9.21 *Fazekas v. Dow Corning Corp., et al.*, No. JCCP 2754-00589, in the Superior Court of the State of California for the County of Orange

9.22 *Flowers v. McGhan Medical Co.*, No. 80-0330, United States District Court, Northern District of California

9.23 *Gaspar v. St. Mary Medical Center et al.*, No. SOC-081-799, in the Superior Court of the State of California, for the County of Los Angeles

9.24 *Geer v. Baxter Healthcare Corp., et al.*, Case No. 8:94CV410, in the United States District Court, District of Nebraska

9.25 *Giblin & Laird v. 3M, et al.*, No. C-C-85-0469-P, in the United States District Court for the Western District of North Carolina, Charlotte Division

9.26 *Gregoire v. Minnesota Mining and Manufacturing Company, et al.,* JCCP No. 2754-00501, OCSC No. 678853, in the Superior Court of the State of California, for County of San Diego

9.27 *Grimes v. Baxter Healthcare Corp.*, No. 93-08828, in the District Court of Dallas County, Texas 101st Judicial District

9.28 *Gronowski-Olszewski v. Dow Corning Corp., et al.*, No. 93-31197, State of Michigan in the Circuit Court for the County of Wayne

9.29 *Hall v. Dow Corning Corporation, et al.*, JCCP No. 2754-00030, SDSC No. 643325, in the Superior Court of the State of California, in and for the County of San Diego

9.30 *Haltom v. Medical Engineering Co, et al.,* No. 972-10013, Division 7, in the Circuit court of St. Louis City, Missouri

9.31 *Handley et al. v. C.R. Bard, et al.*, No. XJ-95-191-63, in the District Court of Oklahoma County, Oklahoma

9.32 *Hirneisen et al. v. American Heyer-Schulte Corp., et al.*, No. C94-5146 FDB, in United States District Court, Western District of Washington at Tacoma

9.33 *Hopkins v. Dow Corning*, No. C-88-4703-TEH in the United States District Court, Northern District of California

9.34 *Hubbard v. American Hospital Supply Co.,* No. 519051, in the Superior Court of the State of California in and for the County of Santa Cruz

9.35 *Iversen v. American Heyer-Schulte Co. et al*., No. 504892, in the Superior Court of the State of California in and for the County of Santa Clara

9.36 *Jacoby v. 3M*, No. 85-35938-CA-07, In the Circuit Court of the 11th Judicial District, Dade County, FL

9.37 *Johnson v. Medical Engineering Co*., No. C-84-1769-RPA, United States District Court, Northern District of California

9.38 *Kempler v. Baxter Healthcare Corp*., No. 93-08828, in the District Court of Dallas County, Texas 101st Judicial District

9.39 *Kite v. McGhan Medical Corp., et al.,* Master File No. CI-93-12375, Case Specific File No. C7-94-1474, District Court, County of Ramsey, Second Judicial District, State of Minnesota

9.40 *Korn v. Dow Corning Corporation, et al.*, No. JCCP-2754-01451, Superior Court of California, County of San Diego

9.41 *Kost v. McGhan Medical Co. and 3M*, No. 88-C-760, United States District Court, Eastern District of Wisconsin

9.42 *LaMere v. Surgitek, et al.,* No. JCCP-2754-03647, in the Superior Court of California, County of San Diego

9.43 *Lee, A. v. Bristol-Myers Squibb*, et al., Case No. CJ-97-4533-63, In the District Court of Oklahoma County, State of Oklahoma, In re: Oklahoma Breast Implant Cases, Miscellaneous Docket No. 107000

9.44 *Lee, D. v. Bristol-Myers Squibb*, et al., Case No. CJ-97-3643-66, In the District Court of Oklahoma County, State of Oklahoma, In re: Oklahoma Breast Implant Cases, Miscellaneous Docket No. 107000

9.45 *Lehman v. Bristol-Meyers Squibb, et al.,* No. 93-03684-J, in the District Court of Dallas County, Texas

9.46 *Lofthouse v. Surgitek, Inc., et al.,* No. JCCP-2754-01314, in re Consolidated Breast Implant Litigation, No. 530324, the Superior Court of the State of California, in and for the County of Sacramento

9.47 *Love v, Baxter Healthcare Corp., et al.,* Case No. 8:94CV409, in United States District Court, District of Nebraska

9.48 *MacNeill v. 3M*, No. 505827, in the Superior Court of the State of California, in and for the County of Santa Clara

9.49 *Mahlum v. Corning Incorporated et al.*, No. CV93-05941, in the Second Judicial District Court of the State of Nevada in and for the County of Washoe

9.50 *Mandelke v. 3M,* No. 123789, in the Superior Court of the State of California in and for the County of San Francisco

9.51 *Marks v. 3M,* No. 789676, in the Superior Court of the State of California in and for the County of San Francisco

9.52 *Master Silicone Implant Litigation*, No. 92-16550, in the 270th Judicial District Court of Harris County, Texas

9.53 *Merrill v. Horton, Barbaro & Reilly,* No. 709761, in the Superior Court of the State of California in and for the County of Orange

9.54 *Mizrahi v. Dow Corning Corp., et al.,* No. JCCP-2754-00667 in re Consolidated Breast Implant Litigation, No. BC-071669, Superior Court of the State of California, for the County of Los Angeles

9.55 *Morford v. Baxter Healthcare Corp, et al.,* Case No. 8:93CV433, United States District Court, District of Nebraska

9.56 *Moriarity v. Bristol-Myers Squibb*, et al., Case No. CJ-96-5539-66, In the District Court of Oklahoma County, State of Oklahoma, In re: Oklahoma Breast Implant Cases, Miscellaneous Docket No. 107000

9.57 *Murray v. McGhan Medical Corporation, 3M, Dow, et al.*, No. 92-6991, in the 191st Judicial District Court in and for Dallas County, Texas

9.58 *Novak v. Baxter Healthcare Corp, et al.,* Case No. 8:94CV411, in the United States District Court, District of Nebraska

9.59 *Oehlert v. MEC et al.,* Case No. 952-00306, Missouri Circuit Court, Twenty-Second Judicial Circuit, St. Louis City.

9.60 *Peterson v. American Heyer-Schulte et al.*, No. C8557, in District Court of the State of Minnesota, County of Grant, Eighth Judicial District

9.61 *Piazza v. Baxter International Inc., et al.*, No. JCCP-2754-720959, in the Superior Court of the State of California, County of San Diego

9.62 *Reap et al. v. Heyer Schulte, Inc. et al.*, No. DC066529, in the Superior Court of the State of California, County of Los Angeles, Central District

9.63 *Roberts, et al., v. Heath Michael Beske, et al*., Case No. 693903, in the Superior Court of the State of California, in and for the County of Orange

9.64 *Rosburg v. 3M*, No. 511416, in the Superior Court of the State of California in and for the County of Santa Clara

9.65 *Rose v. Natural Y Surgical Specialties, et al.,* No. 93-07088, in the District Court of Travis County, Texas, 126th Judicial District

9.66 *Sevy v. Dow Corning,* No. C83-1939-MHP, United States District Court, Northern District of California

9.67 *Shapiro v. Dow Corning, et al.,* No. JCCP-2754-01816, in the Superior Court of the State of California, in and For the County of San Diego

9.68 *Smith v. Aesthetech Corporation, et al.*, No. JCCP-2754-218986, in re Coordinated Breast Implant Litigation, Superior Court of California - County of San Diego

9.69 *Stabile v. Dow Corning Corp., et al.,* No. JCCP-2754-02097, in re Coordinated Breast Implant Litigation, Superior Court of the State of California - County of San Diego

9.70 *Stephenson v. McGhan Medical Co.,* No. 56-21-94, Superior Court of the State of California for the County of Orange

9.71 *Sylvan v. Federated Foods, Inc. et al.*, No. 91-6307-NI, In the Circuit Court for the county of Clinton, State of Michigan

9.72 *Taylor v. Bristol-Myers Squibb*, et al., Case No. CJ-97-2716-61, In the District Court of Oklahoma County, State of Oklahoma, In re: Oklahoma Breast Implant Cases, Miscellaneous Docket No. 107000

9.73 *Tillman v. Strato Medical Corp. and St. Vincent's Medical Ctr.*, No. 93-05188-CA, Div. CV-B, in the Circuit Court, Fourth Judicial Circuit, in and for Duval County, Florida

9.74 *Toole et al. v. Baxter Healthcare Corporation, et al.*, No. 94-P-13559-S, in the United States District Court for the Northern District of Alabama Southern Division

9.75 *Triggs v. Howmedica, Inc.*, Case No. 95-C-0136-S, in the United States District Court Western District of Wisconsin

9.76 *Valentine et al. v. Dow Corning Corp., et al.,* JCCP-2754-01512, Case No. 943437, in the Superior Court of California, County of San Diego

9.77 *Vanderpas v. Dow Corning Corp., et al.,* SC 004394, in the Superior Court of the State of California, for the County of Los Angeles

9.78 *Waters v. Medical Engineering Corporation, et al.,* No. 92-014169, in the 129th Judicial District Court of Harris County, Texas

9.79 *Wierzbicki v. Bristol-Meyers Squibb Company, et al.*, No. 92-15395-F, in the District Court of Dallas County, 116th Judicial District, Texas

9.80 *Wood v. Bristol-Myers Squibb*, et al., Case No. CJ-97-4472-66, In the District Court of Oklahoma County, State of Oklahoma, In re: Oklahoma Breast Implant Cases, Miscellaneous Docket No. 107000

9.81 *Woodard v. McGhan Medical Corporation et al.*, No. CV 92-003745, Second Judicial District Court, County of Bernalillo, State of New Mexico

10. **EXPERIENCE: Expert Witness Testimony for Plaintiffs in Trials - Medical Product Liability Litigation (1984-2004)**

10.1 *Bachman v. Medical Engineering Co. and Dr. Kennedy*, No. C86-143TB, In the United States District Court, Western District of Washington

10.2 *Bevis v. Khalil, et al.,* No. 356830, In the Common Pleas Court of the State of Ohio in and for the county of Cuyahoga

10.3 *Bishop v. McGhan Co., et al.*, No. 479228, in the Superior Court of the State of California, in and for the County of Santa Clara

10.4 *Celiberti et al. v. Dow Corning Corp., et al.,* Case No. JCCP No. 2754-01594, No. 681802, Superior Court of the State of California, County of San Diego

10.5 *Dyke v. Baxter International, Inc. et al.*, No. 94-08415, in the 98th Judicial Court of Travis County, Texas

10.6 *Grimes v. Baxter Healthcare Corp.*, No. 93-08828, in the District Court of Dallas County, Texas 101st Judicial District

10.7 *Hall v. Dow Corning Corporation, et al.*, JCCP No. 2754-00030, SDSC No. 643325, in the Superior Court of the State of California, in and for the County of San Diego

10.8 *Haltom v. Medical Engineering Co, et al.,* No. 972-10013, Division 7, in the Circuit court of St. Louis City, Missouri

10.9 *Hopkins v. Dow Corning*, No. C-88-4703-TEH in the United States District Court, Northern District of California

10.10 *Mandelke v. 3M*, No. 123789, in the Superior Court of the State of California in and for the County of San Francisco

10.11 *Marks v. 3M*, No. 789676, in the Superior Court of the State of California in and for the County of San Francisco

10.12 *Rosburg v. 3M*, No. 511416, in the Superior Court of the State of California in and for the County of Santa Clara

10.13 *Stabile v. Dow Corning Corp., et al.,* No. JCCP-2754-02097, in re Coordinated Breast Implant Litigation, Superior Court of California - County of San Diego

10.14 *Toole et al. v. Baxter Healthcare Corporation, et al.,* No. 94-P-13559-S, in the United States District Court for the Northern District of Alabama Southern Division