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PERSONAL: Born: March 14, 1958 in Rochester, Minnesota
Married to Konstance Arnold-> Andrew William (11/26/91) and Laura Ellen (6/24/96)
Licensed in Alaska (AA2439), {prior: Minnesota (29,301), Indiana (01036655)}
Certified: American Board of Ophthalmology 1990
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EDUCATION: Sehome High School, Bellingham, Washington (1971-1976)
University of Washington, Seattle, Washington (1976-1977)
University of Alaska, Fairbanks, Alaska (1977-1980) B.S. Chemistry *magna cum laude*
Yale University School of Medicine, New Haven, Conn. (1980-1984) M.D.
Mayo Graduate School of Medicine, Rochester, Minnesota
Internship (medicine, neurology, pediatrics) (1984-1985)
Ophthalmology Residency (1985-1988) Chief Resident 3/88 to 7/88.
Indiana University, Indianapolis (Helveston, Ellis & Plager)
Pediatric Ophthalmology Fellowship (1988-1989)

WORK: Commercial Fisherman (salmon, halibut, herring) Alaska (1976-81)
Resident Advisor, Stevens Hall, University of Alaska (1978-80)
Arnold Custom Knives (1975-present) - Arnold Custom Reflex Hammers and Occluders (1984-89)
Ophthalmic Associates Pediatric Ophthalmologist (September 1989-2013)
Secretary (91-95), Vice President (1/96-06), President (07- 8)
Alaska Summer Emergency Ophthalmology Program, Coordinator (1992-)
Glacier Medical Software, Inc, Lead Concept Designer (2005-) President (2010-)
Alaska Children's Eye & Strabismus;- (2014-), President (2014-)

MEMBER: Alaska State Medical Association
Alaska Eye Education Meeting (director)
American Academy of Ophthalmology, Fellow 1991
American Academy of Pediatrics- Ophthalmology Section Fellow
American Association for Pediatric Ophthalmology and Strabismus, Fellow 1992-
Journal of Pediatric Ophthalmology and Strabismus Editorial Board (2002-)
Faith Christian Community: Missions Council (Bridge Ministry 2015
Subspecialty Fellow of the American Academy of Pediatrics (2010-)

HONORS: Elks Club scholarship (1976), *magna cum laude*, Phi Kappa Phi, Joel Wiegert
graduating man & chemistry awards and captain of ski team, Univ. of Alaska (1980)
Executive committee and editor, Yale Journal of Biology and Medicine (1980-84)
National Children's Eye Care Foundation research grant #88-R-001, 1988-89.
Listed in Best Doctors in America (1996, 2009, 2013-16, 2017-18); <http://www.groupz.net/BestDoctors>
Alaska Infant Learning Community Service Award 2000
Lions Club "Melvin Jones Fellow" 5/11/00, 4/24/2010
PEDIG ATS2 (5/7/01, 11/01), ETS-1 (7/04) Recruitment Award
AAPOS Honor Award: March 20, 2000 (Seattle), Senior Honor Award, 2014 (Palm Springs)
Anchorage Education Association: "Friend of Education 2007-8
Free Burma Rangers Meritorious Service Award 8/17/2014, Service medal 16-years 2016.

INTERESTS: Cross country ski racing, Bible Study, remote eye missions, personal computing,
mountaineering, art, wood-working, meat hunting, cooking and video-photography.

PUBLICATIONS:

- Arnold RW: Respiratory Physiology III. International review of physiology, Volume 23. Yale Journal of biology and Med. 54(3): 237-238, 1980
- Arnold RW: Wood injurious to human health. A manual (book review) Yale Journal of Biology and Med. 55(2), 1982.
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Arnold RW: Eliminate Amblyopia in Alaska- Presentation to Ward Hinger and Stephanie Birch, 17th floor Robert Atwood Building, Anchorage, July 12, 2010.

Arnold RW: Vision Screening, optics, refraction and optical dispensing. FBR medic training, Tha Uh Wah Camp, Kawthoolei Jungle School of Medicine, October 25-November 2, 2010.

Arnold RW, Tulip D: Remote vision screen plus provision of spectacles eliminates blindness. AAP Grand Rounds, Anchorage, Alaska (ARH), December 14, 2010.

Arnold RW: Vision screening, optics, refraction and optical dispensing. FBR Medic Training, Leh Tong Ku, Thai-Burma Border, March 7-11, 2011.

Arnold RW: High prevalence of AAPOS amblyopia risk factors, AAPOS. San Diego. March 31, 2011.

Arnold RW: Burma Vision. Sons of Norway, Anchorage. October 13, 2011.

Arnold RW: Eye trauma. Flight Nurse Conference, Alaska Regional Hospital. November 3, 2011.

Arnold RW, Mortensen C: Red eye and iritis, Alaska Family Practice Residency noon conference, November 15, 2011.

Arnold RW: AAPOS, Modified, portable A-scan from an "immersion" USB B-scan (poster). March 25, 2012, San Antonio, Texas

Arnold RW, Trujillo A, Trujillo C, McAllister, R: Eye Lecture and Practical Teaching-3 hours, Alaska Family Practice Residency, Anchorage, Ak, June 29, 2012.

Arnold RW: Burma Vision method for remote missions. Christian Medical and Dental Association, Providence W Aud. Anchorage, Alaska August 25, 2012.

Arnold RW, Nay Hser: Basic eye anatomy and vision screening; FBR Medic Training, Bung Klung, Thai-Burma border, March 12, 2013

Nay Hser, Arnold RW, Therin, M (D): Vision screening, acuity and optics, FBR Medic Training, LehTongKoh, Thai-Burma border, March 14, 2013.

Arnold RW, Armitage MD: iCheckKids, SPOT, iScreen and Plusoptix performance in a high-risk, young pediatric eye practice. AAPOS. Boston, Mass., April 6, 2013. (Discussed by Sean Donahue, MD, PhD)

Arnold RW: Ocular manifestations of Neurofibromatosis. NF Symposium Alaska. May 19, 2013, Providence Alaska Medical Center.

Arnold RW, Jacob J, Matrix Z: A cloud-based EMR for ROP exams optimizes scheduling, tracking and documentation of ROP exams and treatment (Poster), Vermont Oxford Network, Chicago, October 5-6, 2013.

Arnold RW, Armitage MD: Practical Validation of Plusoptix S12, iScreen, SPOT and iCheckKids. American Academy of pediatrics, Orlando, Florida, October 25 and 28, 2013 (Poster)

Matta N, Silbert D, Arnold R.: Comparison of the iScreen to the MTI photoscreener for the detection of amblyopia risk factors in children. 36th meeting of the European Strabismological Association, Marseille France, September 4-7, 2013.

Arnold RW: Practical Photoscreening in Alaska. All Alaska Pediatric Symposium. Girdwood, Alaska November 2, 2013.

Kirk SL, Armitage MD, Arnold RW: Calibration of a new remote autorefractor, the 2WIN compared to PlusoptixS12 and SPOT with amblyopic patients. Poster, AAPOS, Palm Springs, CA, April 5-6, 2014.

Tarczy-Hornoch K, Arnold RW, Bininbaum G, Droste PJ, El-Dairi M, Nallasamy S, Pineles SL, Quinn G: Research Committee Workshop: I want to do a research study. Where do I begin? AAPOS Palm Springs, CA. April 4, 2014.

Arnold RW: What Good is Light? Commencement Address, Grace Christian School. May 13, 2014 at West High Auditorium, Anchorage, AK.

Arnold RW: Nystagmus. Pediatric Grand Rounds, Cancer Conference Room Providence, September 2, 2014.

Arnold, RW: Remote spectacles and optics. FCC Missions outreach, September 11, 2014 Anchorage, Alaska

Arnold RW: Nystagmus. ACES staff noon lecture, September 16, 2014, Anchorage, Alaska

Arnold RW, Wedell Darcy, Pei, Ron: Photoscreening with a Smart phone. September 23, 2014, Anchorage, Alaska.

NayHser, Arnold RW: Detection and treatment of strabismus and amblyopia risk factors using photoscreeners in a Burma war zone. IPOS IV Pre-Academy Meeting, Chicago, Illinois, October 17, 2014.

Arnold RW, West E, Winkle RK, Grendahl RG, : Eliminate Amblyopia Conference. Providence West Auditorium, Anchorage Alaska. January 21, 2015

Arnold RW: Strabismus and cataract surgery. Staff training. Alaska Children's EYE & Strabismus, Anchorage. 1/26/2015.

Arnold RW: Strabismus surgery, Oculocardiac reflex and Burma cataracts. Staff education. Alaska Surgery Center, Anchorage February 3, 2015.

Haering C, Arnold RW: Multi-tool instrument decreases complications with nasolacrimal intubation. E-Poster. AAPOS, New Orleans April 26, 2015.

Silbert DI, Arnold RW: Do we need to directly detect astigmatism when photoscreening for ARFs? E-Poster. AAPOS, New Orleans April 26, 2015.

Arnold RW, Silbert DI: Efficacy of a mobile smart phone vision-screening device with automated image-processing analysis in the evaluation of amblyopia risk factors in preschool children. AAPOS New Orleans, April 28, 2015.

Arnold RW: Photoscreeners Compare and Contrast. In Workshop "Use of Digital Photoscreeners to Detect Amblyopia Risk Factors (ARFs), A Multidisciplinary Evidence-Based Approach; Care and Cost Implications. By Silbert DI, Sponsored by Gobiquity. AAPOS, new Orleans April 28, 2015.

Arnold RW: ROP. Staff Training- Alaska Childrens EYE & Strabismus, Anchorage, Alaska 7-10-2015

Smith K, Arnold RW: Vision and Learning. Pediatric Grand Rounds, ANMC primary Care, Anchorage, Alaska January 19, 2016.

Bond AN, Beerle B, Arnold RW. Dexmedetomidine sedation produces more oculocardiac reflex during strabismus surgery, e-Poster, AAPOS Annual Meeting, Vancouver, BC, Canada April 6-10, 2016.

Arnold RW: ROP and NICU Staff: How to Thrive. NICU nurse conference, Providence Hospital, Anchorage, 4/26/2016.

Arnold RW, Gung Zaw: "Generosity as Stewards (Lk 16:1-9 and 2 Cor 9:8-15) Myanmar Christian Fellowship, Anchorage 5/1/2016.

Arnold RW: Devotion from Luke 4:18- oppressed, blind, poor and imprisoned. Free the Oppressed board meeting, Lake George, Colorado July 9, 2016.

Arnold RW: Arming local providers to do "Spectacular" work. Christian Ophthalmology Society meeting, Portland, OR August 4, 2016.

Arnold RW, Gung Zaw: Always be Prepared (1 Pe 3:15), Myanmar Christian Fellowship September 11, 2016.

Arnold RW: Nystagmus- Classification, Characterization and Care. Latouche Eye Conference for Optometrists, Anchorage, November 29, 2016

Smith K, Arnold RW, Rein Kimala: Update on Childhood vision Screening from developmental viewpoint, Programs for Infants and Children, Anchorage. November 30, 2016.

Arnold RW, Gunt Zaw: Gate and Shepherd (John 10:7-16) Myanmar Christian Fellowship. Anchorage December 4, 2016.

Arnold AW, Grendahl RL, Winkle RK, Arnold RW: Direct measurement of optic nerve size with ultrawide digital camera, (Poster), AAPOS, Nashville, April 2-6, 2017.

Arnold RW, Biggs R, Beerle, B: Dexmetadomidine (Precedex) increases oculocardiac reflex (e-Poster), AAPOS, Nashville, April 2-6, 2017.

Arnold RW, Gunt Zaw: "Rolling Stone" Myanmar Christian Fellowship, Anchorage Alaska. April 16, 2017.

Wilson D, Hser Nay, Arnold RW: Retinal Rescues and Burma Vision. Alaska Eye Meeting. May 17, 2017, Anchorage.

Arnold RW: Eye Muscle Surgery: ACES staff training. Anchorage, Alaska September 8, 2017.

Arnold RW: Validation- Pediatric Vision Screening. POWER ONE Network AAO (Pending)

Arnold RW: PPV of Gobiqity- Validation of Vision Screening. Pediatrics Grand Rounds, Anchorage October 17, 2017.

In Progress or stagnation:

Arnold, R.W., Bartley, G.B. Intraoperative fire.

Arnold, R.W., Yung, C.W., Engel, W.K., Plager, D.A., Helveston, E.M., Ellis, F.D. Ocular polydysmorphogenesis: With and without the CNS defects of the Walker-Warburg Syndrome.

Hughes R, Davidson J, Arnold RW, Helveston EM: A comparison of the Mentor BVAT® stereo test with Titmus®, Randot® and TNO®.

Arnold RW: Desaggitized rectus muscles: intraoperative evidence of retraequatorial muscle pulleys?

Longitudinal Infant Visual Exams (Providence IRB)

Arnold RW, Steiner G: PTK for deprivational amblyopia in Alaska.

Rosen CE, Arnold RW: Alaska experience with pediatric orbital masses

Pratt LE and Arnold: OCR muscles and ADBC compare

Arnold RW, Coon LJ. Estimating the rarity of spectacles: to whom do these glasses belong? *J Forensic Sciences*. 2007;in press→

Arnold RW, Smith K, Damarjian A: 3D visual perception game.

AFFILIATIONS:

Providence Hospital, Anchorage, Alaska (Section Chief, Ophthalmology;Surgery '92-92)

Alaska Regional Hospital, Anchorage, Alaska

The Surgery Center, Anchorage, Alaska

Geneva Woods Surgery Center, Anchorage, Alaska

Cordova Hospital, Cordova, Alaska- lapsed

Kodiak Island Hospital, Kodiak, Alaska

Alaska Native Hospital, Anchorage, Alaska (1990-2011; 20

Elmendorf Airforce Base Hospital consulting surgeon- lapsed

Providence MatSu Medical Clinic, Wasilla, Alaska

The Spine Institute- Surgery Center (2011-2013)

Surgery Center of Anchorage (2010-)

Creekside Surgery Center

Geneva Woods Surgery Center

The Alaska Surgery Center (1990s, 2013-) Shareholder (8/2014 -) MAB 2015-

Valley Hospital, Palmer, Alaska (withdrawn anytime they allow abortion)

South Penninsula Hospital, Homer, Alaska

American Academy of Ophthalmology (Fellow '91)

American Association for Pediatric Ophthalmology and Strabismus (Member 2/11/92)

Socio-Economic Committee (93-96, 2011-)

Vision Screening Committee (97-) Chair (2003-6)

Consultant (2007- 2012)

Nominating Committee (97-98)

Research Committee (2012-2015)

American Academy of Pediatrics- Ophthalmology Section (2012-

Alaska Physicians and Surgeons (96-2013) Steering Committee Secretary (3/96-2/98)

Alaska Eye Meeting (coordinator '92-)

Anchorage Grace Brethren Church (Member (1990-2022), Deacon 1996-9)

Faith Christian Community (2011-) (Missions Council 2011, Chair 2012-)

Clear Water Church (2015-)

Myanmar Christian Fellowship (2014-

Grace Christian School Board (1999- , Treasurer 2000-01, President 2001-5)), Capital

Campaign (2005- 2008)

Anchorage Crisis Pregnancy Center, Medical Advisory Board (90-93)

Alaska State Medical Association

Alaska Medicine Editorial Board (1999-2008)

Alaska Biathlon Association (USBA # 2962)

Bible Study Fellowship (1990-96)

Nordic Ski Association of Anchorage

Anchorage Trail Patrol-founder (1995-

Promise Keepers (ID# 503391: 1995-)

Alaska Parenting Ophthalmic Advisory Board: 1993-9

Pediatric Eye Screening Study Group (1999-0)

Eye Screening Project (2000-2)

Pediatric Eye Disease Investigator Group (PEDIG) (1999-2010)

Amblyopia Treatment Study (1999-2012)

Esotropia Treatment Study (2005-2007)

Alaska Men's Ministry (Board of Directors, VP; 2006-2014)

Free Burma Rangers (2004-)

Thai Christian Foundation

Free the Oppressed (Advisory Board Member 2015-)

Glacier Medical Software (president 2010-)

542 Medical Office Building Corporation

PDI Alaska Medical Office Building Corporation (2015-)

Alaska Surgery Center 1.06% shareholder (2014-) MAB (2015-)

AAO POWER Section Head: Pediatric Ophthalmology- Vision Screening (2015-
Gobiquity Medical Advisory
SRS CAB (Clinical advisory Board) 2017-

Students and Research Associates:

- '90 **Griff Steiner, MD** (Univ of Nevada Medical School, Reno)
- '92 Shachar Tauber, M.D., (Tulane) ASEO#1
- '93 William Gruzensky, M.D. (Loma Linda/U.C. Davis) ASEO#2
- '94 Stanley Pletcher, M.D. (U Indiana) ASEO#3
- '95 Robert Wolf, M.D. (U Minn) ASEO#4
- '96 **Scott A. Limstrom**, M.D. (U Arizona) ASEO#5
- '97 **Kara Ann Byers** [Beck] (Dimond High School, UAF)
- '98 **Matt Stump** (Seattle Pacific University)
- '98 **Adam Jastrzebski Ballinger, MD** (Service High School, University of Washington)
- '99 **Elisha Gionet, MD** (Grace Christian School, Univ of Washington)
- '99 **John Blackledge, DDS** (UAA, U Penn Dental)
- '99 **Jason Hickel** (Grace Christian School)
- '99 **Michael Owen** (Grace Christian School)
- '99 **Tatiana A. Kovtoun, MD** (UAA, Ben Gurian; BGCU Medical School, Syracuse General Surgery)
- '99 **Christy Machida, MD** (Grace Christian School, Columbia U)
- '00 Jenny Hultquist (Grace Christian School, Westmont)
- '00 **Andrew W. Arnold** (Grace Christian School, UAF, UAA)
- '01 Heather March (Grace Christian School)
- '01 **Dustin Lang, MD** (Wheaton, Univ. Wash Medical School)
- '01 Valla Jafari, M.D.ASEO#6
- '03 Hans Tulip, MD (Grace Christian School, Masters College, U of W)
- '04 **Rachel Leman, RN** (Grace Christian School, UAA)
- '04 Charles Chiang (ASEO #7)
- '05 Matt Hammons, MD (ASEO #8)
- '05 **Holly Ryan, MD** (Grace Christian School)
- '06 **Michelle M. Clausen, RN** (Westmont, GCS, Johns Hopkins)
- '06 **Valerie G Kirk, BSN** (South and GCS, Peperdine)
- '06 **Erin Eby** (South, Polaris)
- '06 **Jennifer Aleshire** (Dimond, Homeschool)
- '07 Matt Madsen (Midwestern Osteopathic University, Phoenix, Arizona)
- '07 **Lucas E Pratt, PT** (Covenant College)
- '08 Seth Kresovsky, MD (ASEO #9) IU Residency
- '09 Matthew Guess, MD (ASEO #10), IU Residency
- '10 **Elizabeth Winkle** (Grace, Dartmouth)
- '11 **Aleah Bond**, (Westmond College, Creighton Med)
- '11 **Laura Ellen Arnold** (Grace, Westmont)
- '11 **Bethanne Davis, RN** (Grace, Union)
- '11 Curtis Mortensen, MD (Alaska Family Practice Residency)
- '11 **Kayla Rowe**, (Grace)
- '11 **Jodi Davis** (Grace)
- '11 Brian Cresap (Grace, Colorado School of Mines, UAF)
- '12 Claire Trujillo (Grace, Claremont)
- '12 Anna Trujillo (Grace, Wheaton)
- '13 Becky Clark, MD (Ak Family Practice Residency)
- '13 Maya Tsao-Wu (Grace, Claremont)
- '13 Lauren Tsao-Wu (Grace)
- '13 Andrew Eller (Grace- Harding)
- '13 Nay Hser (Karen Eye Medic)
- '13 **Stephanie Kirk** (U of Vermont)
- '13 **Celia Haering** (APU, UCSF)
- '13 **Shelley Dunn** (OA)
- '15 Josh Beverage (GCS)
- '13 Talisha Jackson Hinton (OA-ACES)
- '15 Alexander Foster (UW Med)
- '16 Erin Swieter (PNWU)
- 17 Emma Mayfield (PNWU) 9/17
- '17 Hans Wilhelm (PNWU) 9/17
- '17 Jason Osborn (PNWU) 10/16

