

MARK ZUCHOWSKI CANDIDATE BIOGRAPHY

Regards My Candidacy For Mayor: I feel that present Mayor, George Hansel, and I have a true and lasting friendship and great rapport, almost like "father and son", as is evident from our discussions on his 7:00 AM - 9:00 AM, Saturday morning show on WKBK Radio, (See WKBK website for Mayor George Hansel's pod casts and please ask Dan Mitchell to restore George's podcast of 07/31/2021, where George and I discuss Dan's segment on Friday mornings, 7:12 AM - 7:25 AM, with his political guest, Arnie Arnesen).

I feel strongly that George has forgotten our men and women presently fighting for our freedoms and our veterans, many of whom suffer from PTSD. This, as per my calls to him after he attended the Black Lives Matter and "Juneteenth" rallies especially in June 2020, when N.H. Governor Chris Sununu had a stay at home order in place. Yet he did not attend any services for Memorial Day, 4th of July and Veteran's Day, leaving us to fend on our own in planning and attending these events. N.H. State Senator, Jay Kahn, was there and so why not Mayor Hansel?

In fact, I rebuked Mayor Hansel in one of my phone calls to his Saturday morning show and demonstrated that the BLM protesters of over 700, were not observing the mandated 6 foot social distancing. In fact, I paced off the near circular meeting place at Central Square (approx. 120 ft. Dia --> 60 ft. Radius) and computed live on George's show, the approximate number of persons who should have occupied this to be the area of the Central Square meeting place / Area Occupied by individuals @ 6 Ft. social distancing (3 ft. radius around each person) to be

$$= \text{PI} * (60 \text{ Ft.})^2 / \text{PI} * (3 \text{ Ft.})^2$$

$$= \text{PI} * (20 * 3 \text{ Ft.})^2 / \text{PI} * (3 \text{ Ft.})^2$$

= 400 persons standing in a circle of radius of 3 ft. with the outer edges touching for each person to maintain 6 ft. social distancing.

And I took photos and not everybody was wearing masks. And promoters drove cars around the circle with people hanging out the windows shouting support; also without masks.

Furthermore, some protesters had anti-police signs and so I felt bad for our good police officers. Thus, I made peace by speaking with the City of Keene police officers who were stationed at the City Hall, UCC Church and Mexican Restaurant sides of the perimeter. And I thanked them for their service and told them that I did not associate them with the police officer, Derek Chauvin, who had knelt on the neck of George Floyd in Minneapolis. After all, it is not our police officer's fault that this happened a

I am my own man and an atypical candidate in that I will continue to work to support Mayor Hansel, the City Council and all other offices as best as I am able, throughout the primary and election processes, and beyond, working in the best interests of the City of

Keene and its' citizens.

I chose to move here from my beloved home town of Hadley, Massachusetts, also the home town of my now deceased and former fellow parishioner, at Most Holy Redeemer R.C. Church, Al Kulas, who was loved for his talk show program on WKBK Radio.

I would never withhold an idea or suggestion for political gain purposes, even if it contributes to Mayor Hansel's success and ultimate re-election. In find it intolerable and un-American that in the name of party politics, persons of one party work against the incumbent party to disparage and denigrate their character and efforts, leading to ruin, destruction and death, with an eye towards electing their party members in the next election. This, instead of finding common ground, doing positive things and getting productive, meaningful work accomplished. I am appalled and disheartened that outgoing Presidents, Senators, Representatives, Governors and other critical positions don't assist and mentor the incoming members. After all, it's "one nation, under God, indivisible, with liberty and justice for all". The American way!!

Meanwhile, I do see some differences between policies and practices of the present Mayor, George Hansel, and myself. Especially regards the handling of the COVID pandemic where I would form an ad hoc committee with representatives from the various positions and viewpoints, let them hash it out in a public forum and reach a consensus that would be presented to the City Council for review and approval. At present, we have radio programs with opposing views that are destroying the community instead of reaching a general consensus for the good of everybody, based on facts, religion and science!! If you love your neighbor, then surely you will work in their best interests.

And I'd rather see our schools teaching what was once called the the 4 "R's", namely, Reading, "Riting (writing), "Rithmetic" (arithmetic) and Religion, instead of Critical Race Theory; that certain persons in our society are bad because of their ethnic heritage and positions in society. And to pay reparations to persons because they are black. Would you pay reparations to multimillionaires like Michael Jordan and LeBron James who have lived the American Dream, worked hard and the sky was the limit? I wouldn't!! Get off your butt, pray, love your neighbor, study, work hard, earn an honest living, do the best you can. This will earn you love and respect regardless of color, race or creed!! And with everybody working, crime would drop and people would feel good about themselves.

And why do we keep saying that we must bring up all the ills of the past so that we never make the same mistakes again? We have brought up these ills since the founding of our great nation yet this did not keep us out of a Civil War, WW-I, WW-II, Korean War, Vietnam War, Wars in Iraq and Afghanistan? Death and destruction!! Great sorrow and pain!!

And at present, there are wild fires out west, hurricanes, tornadoes, heavy rains, flooding, earthquakes, the coronavirus pandemic, incompetence in directing and

implementing the withdrawal from Afghanistan, corrupt news media, Governments, groups and individuals leading to death and extreme pain and suffering and lasting PTSD and tyranny.

And shame on us that we don't all drop to our knees and pray to our God, the creator of the heavens and the earth like we did during the Cuban Missile Crisis of the 1960's and the terrorist attack on our great nation on September 11, 2001 / 911. A loving God who sent his only Son, Jesus Christ, who walked among us, loved, preached, healed and died on the cross for our sins. Now that's the meaning of Judeo-Christian principles upon which our country was founded. And if you love your neighbors and pray for them you could never stab them in the back and work against them on self serving interests!

And I understand the diversity of this great nation and that not all believe as many of us do. In fact, two of my closest friends are agnostic. Yet, they respect my viewpoints and I theirs. And we love each other unequivocally and never would do anything to disparage or harm one another. That's called unconditional true love and friendship!!

I am a man of great faith - a compassionate Christian gentleman and devout, practicing, Roman Catholic of 66 years, including over 59 years of service to my church & community. I have a great love and devotion to country, family & friends. I have great vision and inspirational and creative thoughts and abilities. I love my wife, Susan, 4 children, Alexander, Steven, Amy & Peter, (that's A_S_A_P on an insurance form, or whatever). And our little angel / miscarriage baby, Renee. And our daughter in law, (Alexander's wife), Ashley Dowling from Prince George, British Columbia, Canada. My wife divorced me over religious differences but I still maintain my end of the marriage covenant as best as I am able.

I value and respect everybody's inputs and opinions. I look be "the people's Mayor", in meeting with them individually or in group settings, listening to what they have to say regards various problems, concerns and issues, and pursuing and implementing suitable, long lasting solutions. In fact, I have been doing this since I moved to Keene in October 2015, in attending daily Mass at St. Bernard Roman Catholic Church, after which I go for coffee at McDonald's with fellow parishioners, veterans, former employees at Kingsbury, and many others. And in calling in to FM 94.1 & 1290 AM WKBK Radio, in Keene, where I have a "P-1" rating (extremely high call in rate due to my interest in the community, state and country) with joy filled stories of my life and comments on "hot button" issues that I have researched, often with meaningful suggestions or proposed solutions.

With my farm and engineering background, over the years, I have worked well with a variety of persons and am a pragmatic problem solver and solution seeker. I have good verbal, written & organizational skills and am very details oriented. I am a devout Roman Catholic and have great love and respect for all peoples. I grew up on a vegetable farm, view science and religion as complimentary entities and work hard to "follow the science and religion" in my daily work and in working to preserve the right to life of anybody and everybody from the moment of conception to natural death. I have

high moral and ethical standards, values and practices and will not compromise my values. I am a team and trust builder.

I look to eliminate false and slanderous news and information in our various forms of media, ala, "you are what you eat", and at present things taste pretty rotten. And GIGO - Garbage In yields Garbage Out, lessons learned from my engineering MATLAB programming work that is easily adaptable here. And remember, you can fool some of the people all of the time, and all of the people some of the time, but you can't fool all of the people all of the time. I have critical, logical observation and deductive reasoning skills and will use them in exposing and mitigating / eliminating lies and associated destruction to families and country.

I am retired and thus, can dedicate an extraordinary amount of time and energy in working tirelessly towards solutions. In fact, I love people and already enjoy meeting with, and discussing both local and global issues and potential solutions, with them for several hours each day.

I worked for defense contractors for over 30 years including research & development towards new products and solutions to support complex electro-optical systems, and to point and stabilize the line of sight, on periscope, photonic mast, gun director, and reconnaissance & surveillance airborne camera systems, used by the U.S. Government and other countries of the free world.

I highly value and work to the Judeo-Christian values upon which our nation was founded and will work to restore them to our community, state and nation; one nation, under God, indivisible, with liberty and justice for all. I have a deep devotion to, and am a strong supporter of our men and women in uniform, and our veterans. They will NEVER go unnoticed or without recognition and respect on my watch. God Bless America!! (And I really mean it!!).

Love, in Christ,

Mark J. Zuchowski

Attachments:

1) "Dad's Letter To Steven" - a copy of a really private and special letter that I wrote to my son, Steven, on November 7, 2003, shortly before he joined the USMC. At the time, he was just beginning his senior year of high school and my wife, Susan, and I, didn't have a clue he was thinking of joining. But with the ashes from the twin towers falling on our Long Island home on the afternoon of September 11, 2001, he and his best friend, Bryan Paduano, enlisted shortly after graduating from Northport High School. This is a true, unplanned, look into my heart, mind and soul because when I wrote it, I never dreamed I'd be sending this in towards my candidacy for Mayor of Keene, New Hampshire!!

2) Rev. 02/08/2021 copy of my resume. Please be informed that I EARNED my B.S. in Electrical Engineering, **Cum Laude, with class rank of 3/42**, and M.S. in Electrical & Computer Engineering, from the University of Massachusetts, at Amherst. All of this, while commuting from, and working many hours on the Zuchowski Family Farm, Lazy Acres Farm, Hadley, Ma.

Subsequently, I worked over 30 years for defense contractors, as a design and test engineer, working to stabilize the line of sight of periscope, gun director E-O systems. And airborne camera systems used by countries in the free world for reconnaissance & surveillance.

3) I am a member of the Institute of Electronic & Electrical Engineers (IEEE) and associated Eta Kappa NU (HKN) Honor Society. I received a prestigious Regional Award from the IEEE for New Technical Concepts In Electrical Engineering / Digital filter Design, in 2005, in the heavily populated Long Island-NYC-New Jersey-Ct. area.

4) Photo of me / Mark J. Zuchowski, taken by my now deceased mother, Marion H. (Mackiewicz) Zuchowski, circa 1965, ten years old, where I won a blue ribbon at my 5th grade science fair for my rocket project. This, along with my interest in the space race to the moon between the US and USSR, and my interest in sports / Red Sox baseball / competition, led me to study hard in school while working on the family farm, EARN my B.S.E.E. & M.S.E.C.E. degrees and pursue work with defense contractors towards the preservation of our liberties and freedoms. Now that's living the American dream!!

File#: 2021_09_07_Mark_J._Zuchowski_For_Mayor_Of_Keene_New_Hampshire_Action_Plan

My Dear Friends In Christ – Family, Friends, Neighbors – Fellow Citizens Of Keene, New Hampshire,

my name is Mark John Zuchowski, hereafter Mark J. Zuchowski, or M.J.Z., where I include the initial “J.” to honor my beloved, now deceased, amazing, humble, hard working - farmer, salt of the earth, father, in the faith of Jesus Christ, **John Alexander Zuchowski (J.A.Z.)**.

I have a strong love of God, Country, Family & Friends, devotion to honoring my war veteran friends in Keene and other towns & cities, and am running for mayor of the City of Keene, New Hampshire in the spirit of sharing and restoring our founding father’s vision of operating our great nation, including national and local governments, on Judeo-Christian values. I fully support our nation’s adults and children vigorously reciting the pledge of allegiance with excerpt as follows...”one nation, under God, indivisible....”, singing the National Anthem and other patriotic songs including but not limited to, “God Bless America”, “America the Beautiful” with excerpts as follows, “Oh Beautiful for Spacious Skies... and don’t forget to live your life to the all important ...”Confirm Thy Soul In Self Control”..., Battle Hymn Of The Republic”, “It’s A Grand Old Flag”, ...and Religious & Patriotic Songs including, but not limited to, “How Great Thou Art”, “Amazing Grace”, “Brighten The Corner Where You Are”, “This Land Is Your Land,”...

I intend to become the “people’s mayor” where I meet primarily on-on-one with individuals, build mutual love and trust, and once this is established, I will listen to, and record, your concerns, issues, desires and prospective solutions. From my hard work ethic from growing up on a vegetable farm in my home town of Hadley, Massachusetts, EARNING my B.S.E.E., Cum Laude (3.43 Cumulative average, class rank of 3/42; they did not hand out degrees back then, you earned them!!), & M.S.E.C.E, from the University of Massachusetts, at Amherst, while working 20 hours a week on the Zuchowski Family Farm, Lazy Acres Farm, in my home town of Hadley, Massachusetts (same home town as former WKBK radio talk show host, Al Kulas, whose family I knew from church and town meetings).

I will run a most unusual, positive, problem solving oriented campaign and not a popularity contest. No lawn signs, political affiliations or endorsements as I’d rather donate the money to a needy cause in the city. Also, these only serve to divide our peoples as is evident from past and present local and national political campaigns. In fact, in the 2020 presidential election, I knew many persons who supported President Trump and was baffled as to why there were hardly any signs for him in Keene. Then, from my veteran friends whom I hang out with mornings at McDonald’s, I learned that many Trump signs were found in a dumpster near a prominent city Attorney at Law’s office. My personal view, follow the "Golden Rule" or pay the price; As quoted by Jesus of Nazareth during his Sermon on the Mount and described by him as the second great commandment. The common English phrasing is "Do unto others as you would have them do unto you". ... See also Great Commandment) and Leviticus **19:34**: "But treat them just as you treat your own citizens.

I AM A NO-ONSENSE PROBLEM SOLVER and thus, especially invite you to express “what’s wrong” and your ideas on “how to fix it”. I will compile these ideas, giving you full credit, and use my pragmatic, logical, methodical, great details oriented, proven, farmer and high skill level design electrical engineering problem solving skills and approaches to pursue solutions to various problems that arise. This will truly be a “we the people” effort as, in the spirit of Henry Ford, I’d rather have 10% of 10 person’s ideas than 100% of my own. In fact, my approach is based on the “melting pot” culture that makes America the greatest nation on earth - past, present and future.

I propose to write and / or contribute to a daily column for the Keene Sentinel Newspaper to promote honesty and truth in the reporting of news and to promote sales of the newspaper. I'd look to write about and introduce questions and answers related to city issues proposed by our residents and those from the surrounding community who work, shop, dine and are entertained in our city. Yes, you heard me right, a key purpose would be to support one of our most important resources and businesses, the "lifeline of information" between our residents and neighbors, in our city, the Keene Sentinel Newspaper. Also, I love high school sports and music, and so as per my USMC veteran friend, Sherri Garland from Marlborough, N.H., "it's a no-brainer, if you include the kids in newspaper articles you will sell more papers".

My first goal and priority is to root out untruth and misinformation from local newspapers and radio programs and replace it with the truth, the whole truth and nothing but the truth. And to weed out disruptive, disloyal, unproductive employees or radio show guests whose efforts denigrate and disparage our great city. In fact, when I buy things like electronic equipment for entertainment or, in the past, for my engineering consulting business purposes, I go to several prospective suppliers, ask the same questions or advanced questions as the procurement process unfolds, synthesize the answers and make a decision on whose equipment to purchase. And I'm seldom disappointed with my decision!! Similarly, to foster love, trust and responsible decision making, foremost, we need truthful facts and information to base our decisions and policies on.

Furthermore, like our great and honorable armed forces, I will look to "pound the enemies" of misinformation in our local written and radio news and talk shows. Personally, I feel that persons who intentionally skew or distort the news are more ingenuous than the Taliban, Russians, etc. This because we know better when it comes to dealing with the Taliban & Russians. Furthermore, when misinformation comes from persons who grew up and has won the trust of the community, and they skew the truth, then they are the very lowest form of human being. **All are redeemable but you better start to change your ways and repent now if I win!!**

Also, as a kid, I learned from my honorable father that you may be able to fool all of the people some of the time, and some of the people all of the time, but you cannot fool all of the people all of the time. And I'm one who is hard to fool!! My dad also taught me how to identify a "mad grin" where people are smiling and shaking their head yes in agreement but actually despising you and disagreeing inside their heart, mind and soul. Why? Just air your honest, best informed views and I'll listen and do all I can to help. In fact, I have an excellent memory and can recall and use virtually any person, thought or event from my entire life to identify, investigate and solve problems in today's world. I demonstrated this to several residents this past week as they fired away with questions and I fired back with proposed solutions. Fun!! The key to my success to recalling past events is a God given gift where I attach everything to unconditional love of anybody and everybody who were involved in these events.

I hope to host my own radio talk show, "Act Naturally", for problem identification and solving purposes, on local radio, WKBK Radio, (FM94.1 & 1290 AM). No long studies or preparation, no bullet notes, on my, or your, part. I play guitar and sing and hope to infuse humor and good cheer in problem solving. Something my dad taught me as did Professor, Tom Arny, in my Astronomy & Meteorology class at UMass. He kept us focused and we learned our lessons as we waited for the next joke or trick phrase. No need to be stuffy or unpretentious in teaching stuff that's already very interesting.

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I see some humor here in my singing and playing my guitar at the beginning and end of the show, ala Ringo Starr of the Beatles, Act Naturally. "They're going to put me on the radio, they're going to make a big star out of me, hope you call in to me on the radio, and all you've got to do is act naturally". That's it!! Simply phone in, talk to me like my brother, Allan, does, tell me a little about yourself, and then describe your particular issue and proposed solution. Also, I have a biting sense of humor, ala the late and great John Lennon, formerly of the Beatles, and quick sense of humor ala Robin Williams, and love to teach while infusing good, clean humor and fun. I'd hope to post photos on a website for persons to follow as I describe them on my radio program. Also, this would have the added benefit to WKBK to get a pretty good read on how many persons are listening and participating.

Also, we could have variety segments where callers identify themselves and play a musical instrument and / or sing. Or describe a new technology or proposed inventions and products. This may draw a younger audience as well. And perhaps we could play games or hold contests using topics under study for resolution as part of problem solving. And perhaps a contest centering around my extensive "vanity license plate" photo collection. Listeners could call in to interpret the meaning of the plates. And how 'bout variety shows, involving any and all Keene residents, at the Colonial Theater, every TBD months designed to further introduce City residents to one another in order to build a sense of unconditional love, trust, fellowship and community. And dances, especially for our youth, as was proposed to me by Veteran friend, Joe Trudelle, who runs the VFW on Winchester Street. Look, it's your city too, so let me know what you want to do!!

Here are a few examples of suggestions to me, from the great citizens of Keene and outside of Keene, that I compiled in my listening and discussing things with my veteran and non-veteran friends at McDonald's the past few days. I offer this to the present mayor, George Hansel, and city council, to use any of these ideas immediately. This, because I do not believe in party politics and think it's a disgrace to hold back information for political gains later. And I'm greatly disappointed in our present system where outgoing presidents, senators, representatives, etc., don't support and mentor the incoming parties. After all, we should all be pushing for a common good.

1.0) Ad Hoc Committee To Study And Propose Requirements Regards COVID-19: On Mayor Hansel's Saturday morning show of August 28, 2021, with followup as our cars were side by side near the WKBK radio station on Stanhope Avenue, I proposed that he form an ad hoc committee to study and propose requirements regards COVID-19, to the City Council & Mayor. This, with experts on the conventional medicine side, such as Dr. Don Caruso, MD, MPH, President & CEO, Cheshire Medical Center, and Dr. Aalok Khole, MD, Infectious Diseases Physician at CMC, and experts on the Holistic Healing Side, including Rebeca Montrone, Certified Nutritionist and owner & operator of Wondrous Roots, Inc., et.,al. This, instead of airing our "dirty laundry", via debate on air on WKBK radio, as is the case at present. Mayor Hansel indicated that he will think about it.

2.0) Read My Lips – Let's Improve Our Tax Base: As suggested by my veteran friend, Joe Trudelle, who runs the VFW on Winchester Street, and a slight tweak by myself in evolving this solution, suppose we give our senior citizens a floating point tax break, to 70% of the present tax rate, for a given year. They would pay this 70% of annual tax rate until they pass away. Then, the next owner, ideally a son or daughter of age less than 70, would pay the 100% tax rate plus the floating point back taxes of the person who passed away. This would be ideal in an inheritance situation, and should be achievable, because the younger person would not have to be paying on a mortgage (or paying rent) wherefore they can more easily afford to pay the back taxes in addition to the 100% tax rate.

2.1) As suggested by my veteran friend, Terry Bishop, the mayor should check in with all the (major) businesses in the city and ask them, “how can I help you to be successful and stay in Keene to contribute to our tax base?”: This immediately made good sense to me because in my engineering design & test work for defense contractors, my V.P. of engineering used to ask me a similar question, “what personnel and test equipment do you need to be efficient and successful in your design and test work?”

2.2) Don't Over-Inspect Me Out Of Keene: And my veteran friend, Doug Hill, added, that we need our inspectors to be more reasonable in inspecting these businesses. For example, if an outlet is 7.5 inches off the floor instead of 8.0 inches, then it is not a hazard to be at 7.5 inches, then fill out paperwork to seek a waiver instead of making the establishment rip the outlet out and re-install it. Same thing with the marquee on our businesses where I heard that the city made CVS change the color, etc. How ridiculous!! Do you want the businesses to remain or move elsewhere!!

3.0) How Many Rotaries Do We Need In Less Than A Mile On Island & Winchester Streets?: My personal question is, what are the engineers / designers trying to achieve regards traffic flow? The present flow appears to be working just fine. Furthermore, towards resolving this question, I spoke with Dan Frazier, V.P. of Operations at McDonald's, who was at their Keene restaurant, who started out in 1981 as a “crew kid”. He informed me that back then, McDonald's opposed the installation of medium strips because it impeded the flow of traffic into their restaurant from cars heading north. Interesting that some years later, this solution was preferred because it helps the flow of traffic in disallowing left turns out of their parking lot which would cause cars to back up in their drive up window and exit paths. I also, discussed this with my veteran friend, Joe Trudelle, a former tractor-trailer truck driver. We noted that delivery trucks (and there are some huge ones into McDonald's for example) may have issues negotiating if the rotaries don't have sufficient turn radius.

4.0) The Present Conditions Of Some Apartments Don't Command Such High Rental Prices: As per my veteran friend, Sherri Garland, resident of Marlborough, N.H., and past Commandant for Marine Corps and present Paymaster for Marine Corps League (prior Marines), housing prices are too high in Keene. Landlords have a “captive audience” and base rents on Keene State College prices. Many apartments are not up to snuff and rent is exorbitant for the given conditions. The Landlords should either drop the rental prices or renovate the apartments, using the monies that they overcharge by, to conditions that command the higher rental prices.

5.0) Let's Teach The Elementary And High School Students Some Healthy, Family & Patriotic Based Local Patriotic History: As per my veteran friend, Sherri Garland, to commemorate the 50th anniversary of the end of the Vietnam War, the American Legion in Brattleboro, Vermont, in cooperation with Hinsdale, N.H., held an outing to honor all of the military personnel in the area who had served in Vietnam. High school students were each assigned to go one on one and do a biography of a “soldier” who had died, from birth to date of their death. This included visiting the families who showed the students photos of the deceased in effect bringing them alive to these kids. These biographies were presented at the outing and was a big success!

Furthermore, in Marlborough, the students were involved in commemorating Veteran's Day in making and presenting cards of thanks and gratitude to living veterans.

At the grammar school in Hinsdale, in a ceremony for Veteran's Day, the students were involved by singing patriotic songs; God Bless America, America The Beautiful, You're a grand Old Flag, etc.

These, good, wholesome, faith, community and spirit building activities!!

6.0) Let's Go To The Hop!! As suggested by my veteran friend, Joe Trudelle, we need to hold dances, especially for our youth. I agree and tongue in cheek ask, why is it that we all seem to love some of the old fashioned activities such as the "sock hop" dances of the 1950's, and yet we won't hold one today. The goal is mingling and having some good, honest fun!!

7.0) More On My Biography - A Call To Prayer – Faith, Family & Friends: In my 30 years working as a design electrical engineer for defense contractors, I recognized that, as prophesized in the Holy Bible, that God is keeping His promise to His "chosen people" (e.g. the Jewish people), and is taking care of them for all time. And in my loving, prayerful, clear minded vision, and based on my work for defense contractors and customers of "the free world", especially the Israeli Government, I see this promise being fulfilled each and every day by defense contractors in the United States of America, wherefore I conclude that "the U.S.A. may bend, but will not break" because God needs the United States of America to assist Israel until the end time. And in my studying the Holy Bible Book of revelation, I do not see COVID or any other pandemic eliminating our peoples. And that there will be a "Final Judgment" with Jesus Christ as Judge, who will separate the "sheep from the goats", directing the sheep to "happy pastures", and the goats to serve the sheep, for all eternity. So get your act together and join us in the pasture!!

But wait a minute, God's promise to Israel cannot be fulfilled unless "we the people" get back on our knees and pray, as our founding father's, including our first President, George Washington, did at Valley Forge. And our great leaders have done throughout the existence of our great nation. Including during the Cuban Missile Crisis and ...on September 11, 2001, (911!!), during and after terrorists destroyed the twin towers and other buildings at the World Trade Center in NYC. And caused great damage to the Pentagon in Washington, D.C. And true American patriots fought gallantly in seizing back control back on United Airlines Flight 93, a "flying monument" in tribute to these heroes, a plane bound for the White House, crashing it into a field in Shanksville, Pennsylvania, killing all on board.

In fact, the Zuchowski (Zuchowski means "Nobleman") Family Home is a "fortress" of prayer and good thoughts, words and deeds. We are honest, trustworthy, hard working, loyal followers of Christ and with this, nothing or nobody can defeat us. Our Polish ancestors and relatives survived being "bombed back to the "stone age" (Warsaw, etc.) in World Wars I & II, being "sold off heartlessly, as a political pawn" after WW-II in being forced to be a "Satellite Nation" of the U.S.S.R. And after these atrocities against us, our Polish people responded with a prayerful gathering after WW-II and forgave the Axis Alliance of Germany, Italy and Japan. And here is something that no other culture has ever done to my knowledge, the Polish peoples asked the Axis Powers to forgive them for any atrocities that they performed, albeit it under forced and great distress from dirty, Godless, bastards.

While the world says that politics and religion are taboo in mixed company, the Polish peoples gather each and ever year (yes, even during COVID) and celebrate daily mass, WIGILIA (Christmas Vigil), Palm Sunday, Holy Week, Easter Sunday, etc. At the Christmas Eve Vigil our children watch for the "first star" and sound the alarm for the festivities to begin. At our parties, we talk politics

and religion, celebrate the birth of Christ, sing Christmas songs, share the blest Christmas wafer (similar in texture to the Roman Catholic Holy Communion but comes in large sheets that are blessed by our parish priests), where we break off pieces and give them to family, friends and neighbors. We go from person to person, Christian, Jew, ...agnostic, atheist,...anybody and everybody who was an invited guest, or passer by. In short, we “break bread”.

For example, I would break off a piece of the Christmas wafer being held by another, and they would break off a piece of mine, we each consume the piece of the shared bread that we received, forgive one another for any offenses of the past year or that may have accumulated over many years, hug, kiss and we are ALL “ABSOLVED” of our sins (“atrocities”) against one another. And when we greet one another on the street, grocery stores, Church, schools, etc., one person will say, “Praise Be Jesus Christ”, and the others respond, “Forever And Ever, Amen!!”

Yes, the United States of America is the greatest nation on earth because the Polish customs and practices are only one of well over a hundred different peoples!!

For a small country, Poland sure has their share of saints in this nearly godless world. Some of my favorites include, but are not limited to: **Maximilian Maria Kolbe**, venerated as Saint Maximilian Kolbe, was a Polish Catholic priest and Conventual Franciscan friar who volunteered to die in place of a stranger in the German death camp of Auschwitz, located in German-occupied Poland during World War II.

And **Maria Faustyna Kowalska**, also known as **Saint Maria Faustyna Kowalska of the Blessed Sacrament** and popularly spelled **Faustina**, was a Polish Roman Catholic nun and mystic. **Her apparitions of Jesus Christ inspired the Roman Catholic devotion to the Divine Mercy and earned her the title of "Secretary of Divine Mercy".**

And most recently we added **Pope Saint John Paul II** (Latin: Ioannes Paulus II; Italian: Giovanni Paolo II; Polish: Jan Paweł II), born Karol Józef Wojtyła, was Pope from 1978 to 2005. **He is widely known to Catholics as Saint John Paul the Great**, especially in the names of institutions. **He worked closely with President Ronald Regan (both took a bullet and survived) and Polish Solidarity leader, Lech Wałęsa, to successfully topple the oppressive, U.S.S.R. and satellite Communist regime. It is noted that**

Lech Wałęsa (/ˈlɛx_vəˈwɛnsə_vɑːˈlɛnsə/^[1]^[2] Polish: [ˈlɛɕ vaˈwɛsa] (listen)^[3] born 29 September 1943) is a Polish statesman, dissident, and Nobel Peace Prize laureate, who served as the President of Poland between 1990 and 1995. After winning the 1990 election, Wałęsa became the first democratically elected President of Poland since 1926 and the first-ever Polish President elected in popular vote.

Check out the following link: https://en.wikipedia.org/wiki/Category:Polish_Roman_Catholic_saints. There's still an opening for the “Z's”, perhaps somebody named “Zuchowski”.

Most recently, and 3 years after witnessing the ashes from the burning Twin Towers falling on our Long Island home, my son, Steven, enlisted in the United States Marine Corps at age 18, served working in IT in 29 Palms California, and received an honorable discharge after being injured in-country. **And my nephew, Austin Stobaugh** (my **sister-Yolanda, and her husband, Robert Stobaugh's**, son) served as a marine pilot, flying the Osprey in rescue and relief missions including the typhoon in the Philippines and earthquake in Nepal and many things that he has not had time to describe to me. He is presently serving in the U.S. Navy after a COVID shortened employment as a commercial airlines pilot with Delta Airlines.

Also delving further into family history, we see that through marriage of my dad's sister – my Aunt Rose Zuchowski, to John M. Lipski, a wonderful, generous, loving uncle and man of faith, the Zuchowski Family is linked to Lt. Commander Stanley Lipski who was 3rd in command on the U.S.S. Indianapolis, that, in July 1945, completed a top-secret high speed mission in delivering parts of "Little Boy", the first atomic bomb used in warfare, to the South Pacific, where it was subsequently assembled with the rest of the pieces and dropped on Hiro Shima.

The ship subsequently departed on a training mission in the Philippines. At 0015 on 30 July, **the ship was torpedoed** by the Imperial Japanese Navy submarine *I-58*, and sank in 12 minutes. Of 1,195 crewmen aboard, approximately 300 went down with the ship. The remaining 890 faced exposure, dehydration, saltwater poisoning, and shark attacks while stranded in the open ocean with few lifeboats and almost no food or water. The Navy only learned of the sinking four days later, when survivors were spotted by the crew of a PV-1 Ventura on routine patrol. Only 316 survived.

Excerpted from my home town area newspaper, (copy attached as pdf file for submittal to Keene City Clerk's Office and Sentinel Newspaper, **2001_07_29_DailyHampshireGazetteArticle_Cmdr.StanleyLipski_USS-Indianapolis.pdf**), the Daily Hampshire Gazette, Northampton, Ma., article of July 29, 2001, we see that as per an eyewitness account by close friend and survivor, the ship's physician, Cmdr. Lewis Payne, **the 34 year old Lt. Cmdr. Stanley Lipski, after working gallantly to help wounded men into life vests, went into the sea with his eyes burned close and his hands burned down to the tendons. A dozen men struggled to hold him out of the seawater and oil until he died that evening. To his close friend, Cmdr. Lewis Payne, the ship's physician, the 34 year old Lipski murmured, "Lew, I'm dying. Please tell my wife I love her. Tell her I want her to marry again".**

Also, embedded herein below are a commemorative postcard and envelope from the dedication of the new U.S.S. Indianapolis, dedicated on July 30, 1977. My Uncle John & Aunt Rose attended the dedication and although they have a son and two daughters, **my Uncle John entrusted me with these as a family keepsake souvenir!!**

My brother, **Allan, honorable owner of the Zuchowski Family Farm - Lazy Acres Farm**, in Hadley, Massachusetts; an honorable, hard working farmer, with a degree in U.S. History, who would not compromise his patriotic values in his tearing pages out of his final exam "blue book", at UMass, Amherst, in taking a final exam in economics, taught by a Marxist, and who is one of the best, scholarly and "hands on" historians that I know, not to mention a man who would only be 3rd behind Jesus Christ and John the Baptist, if I had a choice as to who would baptize me as we worked thousands and thousands of hours side by side in working on the family farm, know, love and trust one another unconditionally, once spoke with the bombardier, Thomas Ferebee. Thomas sensed Allan's hesitation to ask

File#: 2021_09_07__Mark_J._Zuchowski_For_Mayor_Of_Keene_New_Hampshire_Action_Plan

“the question” and so he volunteered a question and sharp answer: Thomas Ferebee said: “How did it feel to drop the bomb on Hiroshima and kill an estimated 140,000 of their 350,000 population”. Answer: “If you don’t like it then don’t start a war”.

My response to this is, in considering the approx. 2,403 U.S. personnel who died, and destruction or damage to 19 U.S. Navy ships including 8 battleships, at Pearl Harbor on December 7, 1941, and on September 11, 2001, (“911”), the deaths by jumping or fire, including 265 on the 4 planes (including the terrorists), 2,606 in the World Trade Center and surrounding area, 125 at the Pentagon, and subsequent related deaths years later, and on and on regards wars that our contry has fought in courageously and honorably, **“If you don’t like it then don’t start a war”. And if you think America is not good enough for you and you don’t want to dig in and contribute to our economy, then please leave ASAP. And please take your COVID masks with you!!**

Submitted prayerfully and respectfully,

Sincerely and Love In Christ,

Mark J. Zuchowski

Profile - Attachments:

1) 2001_07_29__DailyHampshireGazetteArticle_Cmdr.StanleyLipski_USS-Indianapolis.pdf

1977_07_30_Envelope_DedicationOf-U.S.S.Indianapolis-(SSN 697)_From-Uncle-JohnLipski_TO_MJZ_IMG_4595.JPG:



1977_07_30_Postcard_DedicationOf-U.S.S.Indianapolis-(SSN 697)_From-Uncle-JohnLipski_TO_MJZ_IMG_4596.JPG:

***A salute to the men of
U.S.S. INDIANAPOLIS (SSN 697)
From the survivors of
U.S.S. INDIANAPOLIS (CA 35)***

This commemorative cover marks the launching of the newest United States Navy vessel to bear the name Indianapolis. The launching takes place 32 years to the day after the cruiser U.S.S. Indianapolis (CA35), then flagship of the U.S. Fifth Fleet, was torpedoed by the Japanese submarine I-58 on July 30, 1945 in the closing days of World War II.

Of the 1,196 men aboard CA 35, 880 died—the heaviest loss of life in a single vessel in the Navy's history. Of the 316 men who survived, more than 200 are still alive and nearly all belong to the U.S.S. Indianapolis (CA 35) Survivor's Association.

It is these men and their families who send greetings today to the new U.S.S. Indianapolis (SSN 697) and to the men and women who will serve her.

To the new crew—Godspeed and good luck from the old crew!

Designed and produced for the survivors by Howard B. Hurley, 327 Roosevelt Avenue, Hasbrouck Heights, New Jersey 07604, (Ex-Yeoman 2/C U.S.N.R. 1943-46 U.S.S. Richard M. Rowell DE 403). Cachet artist Thomas Phon.

OPINION

JULY 28-29, 2001

City sailor died on the Indianapolis

Once again, on July 30, the death of Cmdr. Stanley W. Lipski, who went down with the USS Indianapolis on July 30, 1945, will be recalled by his three remaining siblings: Stacia Dialessi of Agawam, Bertha Wronski of West Springfield, and Walter Lipski of Northampton, who lives in the old family home at 3 Ferry Ave., Mount Tom.



ALLISON
LOCKWOOD

Stanley Lipski was one of the 12 children born to Anthony and Martha Lipski, who emigrated to this country before the first world war. His father arrived in Northampton in 1901, at age 18, and sought work at the so-called "pulp mill," or Mount Tom Sulphite Co. Rejected initially as too thin, Anthony Lipski won himself a job by seizing and toting a large log with ease. He worked there all his life, and during the Depression was guaranteed at least three days' work each week. When Martha Lipski died in 1928, the older daughters took over the housework and mothered the younger children.

As a student at Northampton High School, Stanley distinguished himself academically and also at basketball while holding an after-school job for four years in the Blanc-Levin Pharmacy at 48 Main St. He graduated in 1931 and passed the exams for both the U.S. Military Academy and the Naval Academy. Congressman William J. Granfield appointed him to the latter, his first choice.

Graduating in 1935, Lipski was sent to Pensacola, Fla., for a year's course in naval aviation. After two years of sea duty, he was assigned to naval intelligence and was with the American legation in Berlin at the start of World War II in September of 1939. After the fall of Poland, and aided by his proficiency in Russian, Lipski was stationed in Moscow followed by periods in Latvia, Finland and Sweden.

In 1940, a year before this country entered the war, Lipski launched a personal campaign to return to sea duty. "This is going to be quite a war," he told his sister, Stacia. "If I have to die, I want to be at sea and die a hero." In March of 1943, Lipski was assigned as gunnery officer, and thus third in command, of the heavy cruiser USS Indianapolis. "Well liked because of his competence and good humor," according to a shipmate, he was also respected for his determination to get back on a ship.

By the summer of 1945, Lipski and the Indianapolis were veterans of



Photo courtesy of Stacia Dialessi

Cmdr. Stanley Lipski, a native of Northampton, right, aboard the USS Indianapolis with Cmdr. R.J. Smith, center, and Cmdr. Joseph Flynn, left. Lipski and Flynn perished along with 877 others when a Japanese submarine sank the ship in 1945.

year at a cost of 2,124 American lives. Here, McVay was ordered to report next at Leyte, in the Philippines, for the Indianapolis to prepare for a role in the imminent assault on Japan.

After 3½ years of use by the Navy, the 1,300-mile route between Guam and Leyte was considered "routine transit." Some 5,000 ships had sailed the route over the previous 10 months. It was here on Guam, however, that the USS Indianapolis, through a fatal mix of bureaucracy, secrecy, preoccupation, complacency, inefficiency, and perhaps a touch of paranoia, was doomed. With a ship that had no antisubmarine device, Captain McVay was denied a destroyer escort. Officials on Guam knew, moreover, that enemy subs still prowled the Philippine Sea. Only two days before the Indy left, one had sunk the destroyer USS Underhill, part of a convoy, with the loss of 112 lives.

To his close friend, Cmdr. Lewis Payne, the ship's physician, the 34-year-old Lipski murmured, "Lew, I'm dying. Please tell my wife I love her. Tell her I want her to marry again."

trition. Salt water drinkers suffered seizures ending in coma. Some men drowned themselves. Fifty were killed by shipmates, suffering hallucinatory dementia, who took them for the enemy. Sharks feasted on at least 200 men in their last great banquet of American sailors in WWII. In the cruel sea, 808 enlisted men and 67 officers would die while, on Leyte, the Indianapolis was listed merely as "overdue."

On Thursday morning, Aug. 2, out on a routine patrol in search of subs, a Navy pilot, Lt. Wilbur Gwinn, dropped his Lockheed Ventura PV-1 to 300 feet after spotting, quite by accident, some "little black balls" on a vast oil slick, the heads of the 321 men left alive of the Indy's crew. By dawn the next day, all had been rescued. Four died in the hospital, reducing the survivors to 317.

Even before the Navy court-martialed him, McVay, who had survived, would conclude, "I should have gone down with the ship." In U.S. naval history, he is the only captain to be court-martialed for the loss of his ship sunk by an act of war. After a long, hard struggle by those interested, including some Indy survivors, McVay was "exonerated" on Oct. 12, 2000, by a Congressional amendment, "for the loss of his ship and so many of his crew." His conviction, however, still remains on his record. The captain shot himself in 1968.

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combat. The officer had earned nine battle stars, and the Indy, as her crew called her, was undergoing repairs in the Mare Island shipyard north of San Francisco, for the nearly fatal damage inflicted during a kamikaze attack at Okinawa in March. Nine men were killed and 29 wounded.

On July 12, Capt. Charles B. McVay returned to his ship from a meeting at naval headquarters in downtown San Francisco with orders to have his ship ready to sail only four days later. At Hunters Point, a supply depot in San Francisco Bay, they were to take on board a mysterious cargo labeled "Secret Project." On reaching the specified distance from land, McVay opened his sealed orders. "Men," he announced over the intercom, "this is a speed run to the Island of Tinian. We can't lose time. All hands be sharp. That is all." On that same departure day, July 16, Cmdr. Mochitsura Hashimoto was exiting the Japanese naval base at Kure, in the I-58, one of his country's last six submarines. In four years of war, he had yet to sink an enemy ship.

Unknown to her crew, the enormous wooden crate and small metal canister taken aboard the Indianapolis at Hunters Point, contained the components of the world's first atom bomb and the requisite amount of uranium-235 which, on Aug. 6, would all but obliterate the Japanese city of Hiroshima. The 13-year-old ship made the 5,000-mile voyage in 10 days. After delivering the "Secret Project," the Indy with its crew of 1,196 was to head for Guam, won the previous

On the night of July 29-30, Hashimoto of the I-58 detected the Indianapolis, 350 miles from landfall, en route to Leyte. At 12:05 a.m., two of his six torpedoes hit her. The first tore away the bow; the second hit her amidships on the starboard side, igniting 3,500 gallons of high-octane aviation fuel. Some 300 men were blown up, burned to death or drowned. "We've been badly damaged, Charlie ... I think we are finished," reported Cmdr. "Joe" Flynn, executive officer of the ship, to McVay. "Abandon ship!" was ordered. She sank at 12:14 a.m. on Monday, July 30. Four distress signals had gone out and been received but set aside as enemy "tricks."

Lipski, after helping wounded men into life vests, went into the sea himself with his eyes "burned closed" and his hands "burned down to the tendons." A dozen men struggled to hold him out of the salt water and oil until he died that evening. To his close friend, Cmdr. Lewis Payne, the ship's physician, the 34-year-old Lipski murmured, "Lew, I'm dying. Please tell my wife I love her. Tell her I want her to marry again."

For almost four days, a few men on rafts, some clinging to floater-nets, and others only with life vests ("the swimmers"), struggled to stay afloat in a vast sea of oil, debris and dying men. Eventually this stretched 20 miles. Men died at a rate of one every 10 minutes. Causes of death included dehydration, hypothermia, wounds, pulmonary edema, shock, exhaustion and malnu-

At 8 p.m. on Aug. 14, 1945, President Harry S. Truman announced the war's end. The Navy then released the following: "The USS Indianapolis has been lost in the Philippine Sea as a result of enemy action. The next of kin of casualties have been notified." Two days earlier, the Navy had begun sending "missing in action" telegrams to the parents and wives of the dead. Some of these arrived at homes even as the president spoke. Lipski's father was asked to pick up his telegram at the office on Main Street. "Don't come alone," he was advised, "have someone with you." A "secret" phone call from Stanley's friend and survivor, Lewis Payne, is how they first learned of his death, according to the family.

Another son of Northampton, Pharmacist's Mate Russell Morey, escaped Stanley Lipski's fate by the skin of his teeth. A transfer he had requested following his marriage came through one day before the Indianapolis sailed off into history. Morey remembers the day he discovered Lipski's name and birthplace on a shipboard list. "I got on the ship's phone and identified myself to him. Even though I was just an ordinary sailor, he arranged for us to meet. We talked for quite a while, and he was very nice to me." His Navy ID card, which Morey carries to this day, bears the signature of Joseph A. Flynn, who, like Lipski, died with the Indianapolis.

Allison Lockwood is currently working on a social history of Northampton.

Dear Steven,

Your health teacher, Mrs Braun, has asked me to write a letter describing my feelings for you. It's due today. Unfortunately, I procrastinated. Not because I wasn't interested or couldn't be bothered. But because you're so special to me that I wanted to write the perfect letter. Unfortunately, I'm not capable of doing that. So here's an imperfect letter, that's late. I hope that you find it meaningful.

On the day that you were born, I remember being proud at what broad shoulders that you had. I knew that someday you'd tower over mom and me. And here you are today at over 6 feet tall. I also was very proud of your mom because she carried you for 9 months without complaining and delivered you naturally so that she could immediately hold and nurse you without the ill effects of pain killers. I am the eye witness to her morning sickness, swollen feet & tummy and painful labor which, to her, were immediately forgotten and all worthwhile, when she held you newborn in her arms. Always remember what she did, and continues to do, out of love for you.

When you were a young child, you had wavy brown hair, dark eyes and somewhat garbled speech due to an impediment. In short, you were adorable. As I arrived home from work, I enjoyed how you would put your arms straight up in the air wanting to be picked up. This made me feel good and I would chuckle because you looked like a football referee indicating that a field goal attempt was successful. It made the long hard work day worthwhile. I love you very much too.

As you grew older, you took an interest in the work that I did around the house. You never complain, have an easy going nature and are very dependable when asked to help around the house. This is appreciated very much by mom and me. Also, I'm proud of your school accomplishments. You have been diligent taking the extra lab courses and all of those math and science courses. You have virtually enough credits to graduate now, at the beginning of your senior year, which is totally awesome. The interest, intelligence, diligence, positive attitude and dependability are good qualities that should be an asset to you in whatever you choose to do with your life.

As you approach adulthood be aware of family health history which includes cancer, depression, diabetes, heart problems, autism and aneurisms. Take care of yourself and never be ashamed to confide in a doctor or loved ones (certainly mom and me) any ill feelings be they physical, mental, emotional or spiritual. This is very important advice. I say again, never think that you are alone with any problems that you may have. Your immediate and extended family all care about your well being. Come to us with any problems.

Oh yes, there's one more family illness. Red Sox fever. In the Fall of 1986, I sat holding you, feeding you a bottle while bouncing you on my knee, watching Game #6 of the World Series between the Boston Red Sox and New York Mets. The Sox had the lead in the bottom of the 9th and were one out from winning their first World Series since 1918. All the pain that I had suffered in following them since 1967 including the the World Series losses to the Cardinals in '67, and to the "Big Red Machine (Cincinnati Reds) in '75, both in 7 games, and the Bucky Dent homer in the pennant deciding game between the Sox & Yankees in '78, were about to be erased. I fed you and rocked you. You were becoming a milk shake. Your mother reached out to rescue you, the ball went through Buckner's legs, I dropped you on your head (not really), and you've been a Red Sox fan ever since. You have the dreaded Red Sox fever.

In seriousness, it's fun that you've taken an interest and follow sports with me. I enjoy the closeness and companionship that we share. But try not to take it too seriously. I felt sorry for you when the Sox lost to the Yanks in 7 games last month. I felt like we had been robbed of good feelings that we would share watching the Sox (and Cubs) play in the 2003 World Series. Now, looking back a month later, I cherish the great feelings that we shared together going to the games and following on TV, radio and the internet this past summer. I hope that you'll do the same.

My wishes for your future are that you be healthy and happy. These are things that you cannot buy. May your work be interesting and may you know love from family and friends. Observe the world around you. Certainly an exciting place with many good people and great opportunities. But also a place of pollution, greed, poverty and disharmony. Oh, and my own personal view of summer heat & humidity and bone chilling winters, "the planet is just not inhabitable for humans". Work hard, enjoy the opportunities offered to you. Stay alert and be aware of surroundings and situations. Be on guard. Happy and sad. That's the real world.

Most important of all, seek to know God the Father, the Son and the Holy Spirit. Learn how to talk to each of them and listen. Develop your faith through study of scripture, prayer and good deeds. Remember, Jesus died for your sins, the greatest gift of all. Thus, you can't save yourself. You simply must choose His gift of eternal life. Have a good, fulfilling life. Look to eternity in Heaven with God and all of us.

Love, Dad

MARK J. ZUCHOWSKI

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markzuchowski@hotmail.com / <http://www.linkedin.com/pub/mark-zuchowski/1b/4b/672>

TECHNICAL SKILLS SUMMARY

Control Systems Engineer with 30+ years of experience in the design, development and test of complex servo controllers used in airborne camera, antenna, periscope, photonics mast and gun director systems for defense.

- Proven abilities in research & development, project management and performance optimization resulting in deliverables exceeding customer expectations.
- Expertise in using Micro-Cap SPICE circuit simulator, MS Excel, MATLAB-Simulink-Simscape-Sim Electronics and associated Control System, Simulink Control Design, SysID & Real-Time Workshop toolboxes for modeling, simulation and implementation of digital and analog control systems; Bode stability analysis, real time simulation to evaluate performance and facilitate trade studies, generation of C-Code for control & calibration algorithms from the models and download to target Digital Signal Processor (DSP).
- Expertise in using MS Office & Visio to generate component specification requirements documents, test procedures, technical reports, presentation slides, schedules, budgets & servo block diagrams.
- Adept at hands-on verification and test of servo controllers; developed hardware & software interface from personal property HP-control system analyzer to PC/MATLAB for plot and analysis of servo test data; design & debug test equipment, write test procedures and operate all related test equipment including custom test sets, control systems analyzer, plotters, oscilloscopes, strip chart recorders and digital multi-meters. Analyze and document all test results.
- Demonstrated leadership in building strong, trusting, lasting relationships between design team, customers and component suppliers.
- Addresses problems in a straight forward manner and works through details to deliver complete solutions.
- Collaborates with peers to ensure best possible, total system design. Conscientious and takes pride in work.
- Excellent analytical and communication skills.

PROFESSIONAL EXPERIENCE

Telephonics Corporation, Huntington & Farmingdale, N.Y.**2012-Present****Independent Contractor/Consulting Engineer-Control Systems**

Worked as lead engineer, with interdisciplinary team including mechanical, electrical, firmware and software engineers, technicians and wirers, on servo controllers employed in radar antenna systems used for reconnaissance. Successfully worked to eliminate the “rumble” (servo-mechanical oscillation) and to optimize the pointing and tracking performance, in the presence of aircraft motion, of a dual elevation over azimuth gimbaled antenna servo subsystem. The “rumble” problem had plagued the antenna system, already in production, for over six years.

Responsibilities included assessment of the line of sight stabilization performance of the existing controller design, identification of the cause of the “rumble” and to design, implement, test and validate an optimal solution in terms of “rumble” free, superior stabilization performance operation, simplicity and minimal cost. This was successfully achieved by performing open loop, closed loop and plant frequency response, and noise PSD, measurements, with a control systems analyzer. Also, a model of the inner analog rate and outer digital-PID position control loops was built up in MATLAB-Simulink using the relevant parameters for the motors, drive amplifiers, sensors, analog circuit integration-lead-lag and digital-PID servo compensation networks, antenna plate mass moments of inertia, gear stiffness and disturbance torques including viscous drag, bearing friction and cable stiffness/spring torques.

The culprit to the “rumble” problem was found to be structural resonances of the antenna support structure and gear drive trains. The solution entailed changing two capacitors in the dual elevation inner analog rate loop low pass filter networks and then adjusting the PID compensation coefficients in the outer digital position loops. This was an elegant solution compared to the alternative of having to tear down and rebuild/stiffen the antenna system support structure and/or change the gear drive trains. The solution was implemented and demonstrated on two systems in the lab with satisfactory results. This was well received by Telephonics Corporation leading to follow on work including upcoming design, test, analysis and evaluation of spinoff antenna system with smaller antenna blades.

BAE Systems-CNIR, Greenlawn, N.Y.**1993-2006****Senior Staff Engineer-Control Systems**

1998-2006

Worked in collaborative environment with highly skilled design team on advanced Electro-Optical Camera Systems for military application aerial reconnaissance and surveillance. Work included an in-house Research & Development Electro-Optical Camera System with successful completion leading to offshoot production camera systems that were subsequently delivered with performance exceeding customer specification requirements.

Responsibilities included development of top level control system design requirements specifications and block diagrams. Performed trade studies, wrote specifications, selected vendors and acted as vendor liaison for all major servo components. Worked with design team and suppliers to design, develop and test/tune scale factor and alignment calibration algorithms and procedures for fiber optic gyroscopic sensors and commutation algorithms and alignment procedures for brushless- ironless core-low hysteresis drag-DC torque motors.

Developed computer models and performed Bode analysis and real time simulations to evaluate controller line of sight (LOS) stabilization performance in the presence of system vibration and angular motion inputs. Designed test equipment, wrote test procedures and performed servo systems debug, integration and test. Supported testing of camera system imaging and jitter error performance under simulated operational environmental conditions and actual test flights. Analyzed and evaluated all test data results and generated reports. Made presentations at preliminary and critical design reviews. Led servo proposal efforts - generated storyboards, performed analyses, writing, component costing and basis of estimates, and participated in red team reviews.

Principal Engineer-Control Systems

1993-1997

Worked to optimize performance of, debug and test legacy camera systems, completing all tasks with satisfactory results. Responsibilities included analytical and test support to mechanical engineers and structural-vibration specialist to investigate and eliminate problematic structural resonances and characterize and improve performance of isolation system. Worked with iron gyroscope supplier to increase sensor bandwidth. Worked with Servo Engineers to push gain-bandwidth of LOS pointing and stabilization control loops to improve tracking performance and torque disturbance rejection; added notch filters to mitigate effects of structural resonances on jitter error. Performed analog circuit design, schematic capture and simulation using Viewlogic and Micro-Cap SPICE circuit simulator, of redesign servo linear-transconductance-power amplifiers; iron gyroscope - spin motor excitation, anti-nutation and rate loop capture circuitry; and servo control loop compensation and filter networks. Updated / reconciled all servo circuit card assembly hardware to assembly drawings, schematics & parts lists.

Kollmorgen Corporation, Electro-Optical Division, Northampton, MA**1979-1992****Senior Systems Engineer-Control Systems**

1985-1992

Performed servo design, development, simulation, test/validation and documentation for LOS servo controllers on major electro-optical systems including Periscopes, Non-Penetrating Periscopes (NPP)/Photonics Masts and Gun Directors. These systems employed dual axis, inertial and servo, LOS stabilization for FLIR, TV and visual sensing. Primary control interfaces included processor generated profile commands (quick look/scan mode), TV tracker and joystick/strain gauge transducers.

Principal Fiber Optics Engineer

1985-1992

Performed systems-level design/tradeoff studies, including system architecture and flux budget analysis, for fiber optic communication systems with simultaneous video, data and control signal transmission capability. Wrote specification requirements, selected vendors and served as liaison for developmental fiber optic transceiver systems and support hardware including fiber optic cables and high pressure connectors, couplers and rotary joints for NPP/Photonics Mast, as well as for coherent fiber optic imaging bundles employed in optical sights.

Independent Research and Development Engineer

1979-1985

Successfully designed, developed, tested, and demonstrated: Electro-optical commutator and phase-lock-loop-based controller for scanner motor employed in Compact Video Rate Optical Scanner (CVROS) Micro-FLIR; fiber optic slipring and pulsed reticle. Expanded capabilities of, and wrote user interface for, servo simulation program (FORTRAN) used for real-time simulation of LOS pointing and stabilization control systems. Assisted in design of servo electronics for stabilization engineering model/single axis LOS controller employing dual axis, dynamically tuned gyroscope, and mechanical stabilization via a low friction-to-inertia ratio balanced gimbal (stable element) and parasitic axle, presently used in all advanced periscope and gun director LOS controllers. Directed and narrated demonstrative/instructional films; lectured and presented papers on control systems and fiber optics.

EDUCATION

University of Massachusetts at Amherst**M.S. in Electrical and Computer Engineering**

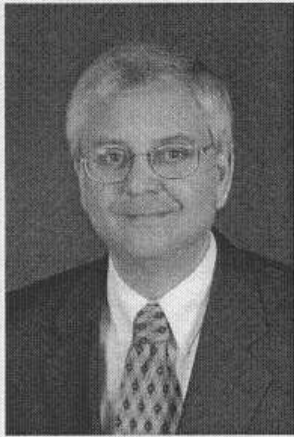
1979

B.S. in Electrical Engineering, Cum Laude

1977

ADDITIONAL INFORMATION

- Department Of Defense (DOD) Secret level clearance when employed full time (presently inactive).
- Member, Institute of Electrical and Electronic Engineers (IEEE), Control Systems Society.
- 2005 IEEE Regional Award, Long Island Sector: Stabilization Control Algorithms.
- 2002 BAE Innovation Award For Integrated Camera DC Torque Motor Design.
- 2002 BAE Innovation Award For Integrated Camera Digital Servo System Design.
- Active U.S. Passport (Date Of Issue: 13 May 2011 / Date Of Expiration: 12 May 2021).
- References provided upon request.



Region 1 Award For New Technical Concepts in Electrical Engineering

Mr. Mark Zuchowski

"For Application of Adaptable Digital Signal Processing to Reconnaissance Systems"

Mr. Zuchowski was awarded a B. S. in Electrical Engineering (Cum Laude) and a M. S. in Electrical and Computer Engineering from the University of Massachusetts at Amherst.

Upon completion of his graduate work he joined Kollmorgen Corporation as an Independent Research and Development Engineer. In this capacity he successfully designed, developed, tested and demonstrated an electro-optical commutator and phase-lock-loop based controller for scanner motors employed in Micro-FLIR. As a Principal Fiber Optics Engineer he performed systems level design tradeoff studies, including system architecture and flux budget analysis, for fiber optic communication systems with simultaneous video, data and control signal transmission capability. As a Senior Systems Engineer he was

the lead on major electro-optical systems employing dual axis, inertial and servo, line of sight (LOS) stabilization for FLIR, TV and visual sensing.

Upon joining BAE Systems in 1993, Mr. Zuchowski became a Senior Staff Engineer. He was the lead servo engineer on camera systems for military aerial reconnaissance and surveillance incorporating multiple, LOS, stabilization and control loops under processor control.

He was the recipient of the 2002 BAE Innovation Award for Integrated Camera Motor Design and the 2002 BAE Innovation Award for Integrated Camera Digital Servo System Design.

