

The Mighty Max

"REACH FOR THE STARS, AND
GRAB THE FUTURE."

USS MAXIMILLIAN
(NCC-74997)
STAR TREK FAN
ASSOCIATION

SERVING CENTRAL OHIO
SINCE 1992

November 1998
(Stardates 51832.87 to 51915.06)

Volume 6, Issue 11

Admiralty Board

Commissioner
(COMMAX)

FADM Robert S. Lyon

Deputy Commissioner
(DEPCOMMAX)

RADM Greg Dunn

Assistant

Commissioner
Of Personnel

(ACOMPERSMAX)

RADM Matt Morris

Command STAFF

Commanding Officer

CAPT Terry

Mcpherson

FIRST OFFICER

CDR Elaine Jackson

RECORDS OFFICER

LCDR Robin Kulas

SHIP'S PURSER

LT Ellen Click

PUBLIC RELATIONS

OFFICER

LT Debbie Ouellette

SENIOR CHIEF PETTY

OFFICER OF THE

COMMAND

C/SC Ben Ayers

MIGHTY MAX

EDITORIAL

STAFF

EDITOR-IN-CHIEF

Lt Chris Stephenson

PRINTER

LT Susan Moran

The Mighty Max is the monthly
newsletter of the U.S.S. MAX-
IMILLIAN (NCC-74997) STAR
TREK FAN ASSOCIATION.

This is only a fan publication, not
to infringe on any copyrights,
trademarks, or licenses of VIA-
COM, Paramount Pictures Corpo-
ration, or associate organizations.

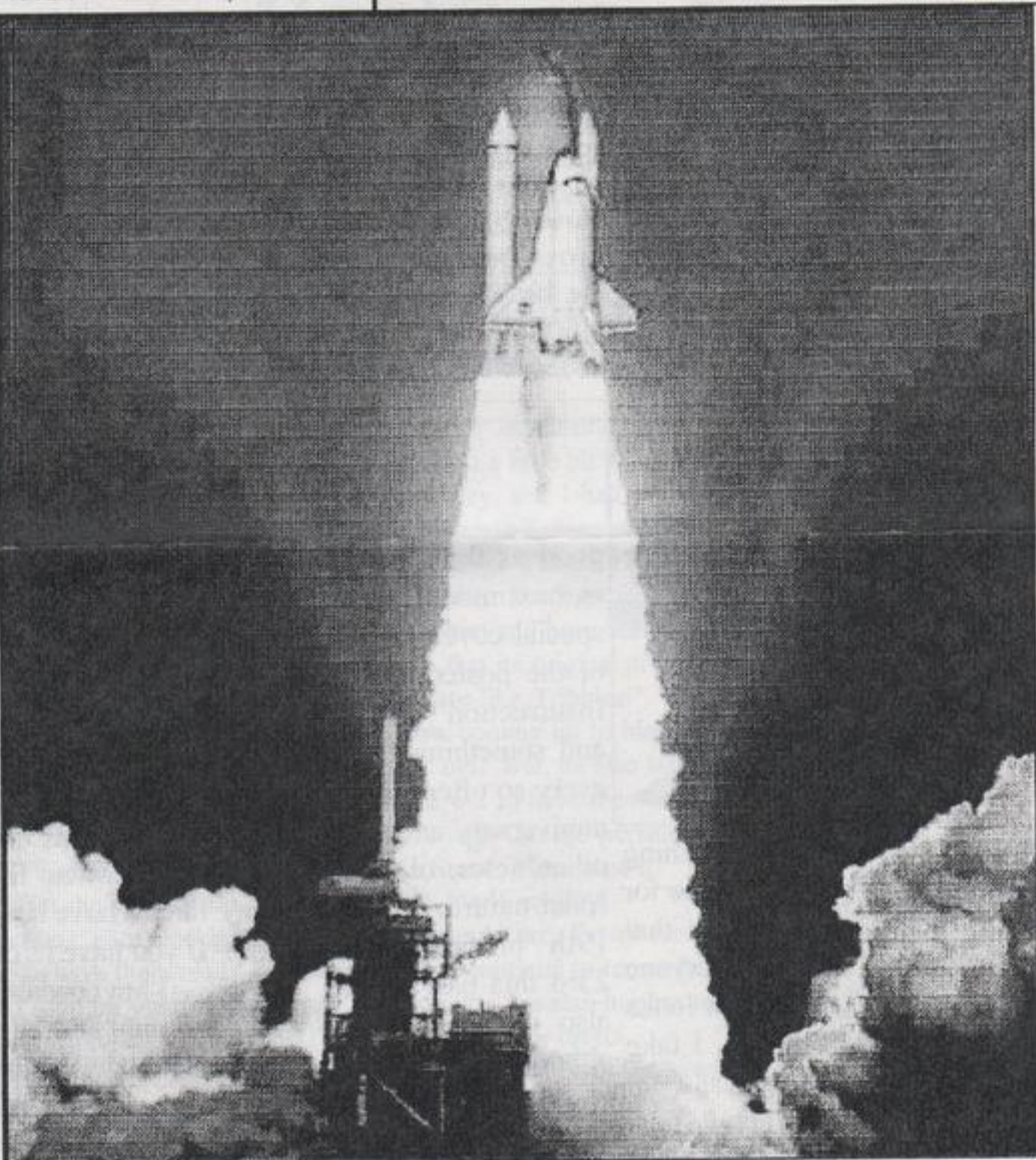


TABLE OF CONTENTS

EDITORS REPORT, OFFICER REPORTS 2

JOHN GLENN SPECIAL 5

WWW.STARTREK.COM 11

STAR TREK: FACT OR FICTION, STAR WARS: EPISODE ONE NEWS 17

CALENDAR 18

CAPTAINS LOG, STARDATE 51868.4

Captain Terry A. Mcpherson, Commanding

Greetings to the crew of the U.S.S. MAXIMILLIAN, I hope all those who attended the Steubenville convention had a good time. I finally got to meet James Doohan, and it was something I will never forget. It was very good to see him because of what he's been through.

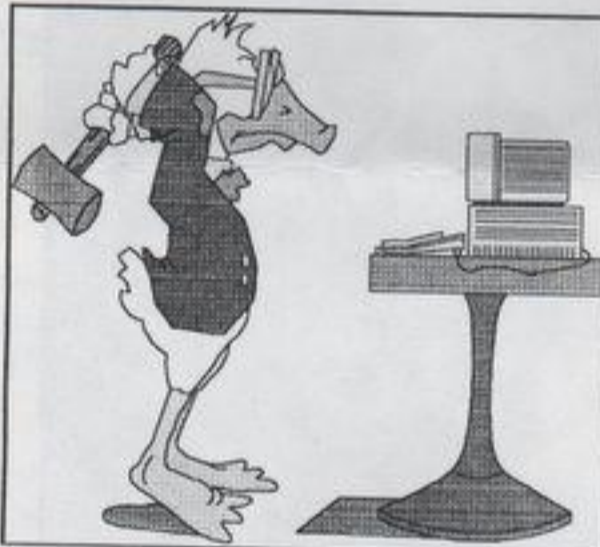
Unfortunately, Walter Koenig was not present, but he will be, to my knowledge, at the convention on November 28-29, 1998 in Indianapolis, Indiana. He will also be at the Jewish Community Center



on November 9 here in Columbus, Ohio. Anyone who wishes to go to Indianapolis for the day on November 28, please let me know--because it may be the last chance to see these four together. From what I understand, James Doohan

will be retiring from the convention circuit. This may be the last time we have a chance to see him. I will have more information on admittance price at the door at this meeting.

We will try to keep this next meeting as short as possible, because I would really like to try "Trekordy" and actually win at it. So, LT Stephenson, get your Trekordy stuff together, and let's have fun at this meeting. This is your Friendly Neighborhood Vulcan, signing off. Until next month, Live long and prosper.



Howdy howdy howdy. First thing I want to do is thank everyone for getting their submissions in that got them in. I think everyone agrees that a full newsletter looks better than an empty one. I take part of the blame though, as I am continually learning about new things with the Mighty Max. This month is packed with stuff, from the section of the John Glenn Blast-off, to the nuggets of info from www.startrek.com. And as

Editors Corner

LT Chris Stephenson Editing

good as this month's edition is, next month we will have a special cover, in living color, of the poster for "Star Trek: Insurrection" A first for us, you.

and something I'd like to do every so often, maybe for our anniversary and whatnot. In other news, of a rather personal nature, I celebrated my 19th birthday on October 23rd this past month. I am also presently out of work, although that should change by the time you read this. There will be a new edition of Trekordy at the next meeting, (November) if I get the chance to put it together. I should be able to get it done, and yes, this time the ques-

tions will be taken from the office, next month we will have a special book. With a special Admiral's category for the truly Knowledge blessed. Get these. I dare For those of you on the net, I suggest you get ICQ. It's a nice little "Chat" thing that lets you know when friends/etc. are on-line. I have it, number 18912448. If you have it, or get it, that's me. I am considering adding a new e-mail address at Yahoo.com. Hotmail is starting to slow down considerably, and is becoming unreliable.

Other than that, not much is happening. Remember, NOVEMBER 25th is the due date for submissions. LT Stephenson and Out.

WWW.STARTREK.COM

Official news from the Official website

"Take Me Out to the Holosuite" - The story behind the numbers (10/19/98)

by Larry Nemecek
ST: CONTINUUM Contributing Editor
As *Star Trek: Deep Space Nine's* "Take Me Out to the Holosuite" sends the Niners out to a valiant effort on the ball diamond, take a close look at some of the uniform numbers the players are wearing.

As it turns out, they're not an accident, as most of the cast told us during a set visit on the last day of location filming at Loyola-Marymount College. So, what is the story behind the numbers?

5 -- AVERY BROOKS ("Ben Sisko"): "Dick Allen. He played with the Phillies; he also played for the White Sox. They called him 'Crash,' one of the reasons ball players wear gloves when they bat. (He was my hero) among others -- you can't wear everyone's number. But yeah, Dick Allen -- there's always going to be a hitter like Dick Allen in the future."

34 -- COLM MEANEY ("Chief O'Brien"): "This is the number of the house I grew up in, and it's also the number of the bus I used to take to school. ... It's also my age, of course!"

9 -- NANA VISITOR ("Kira"): "Mine's easy -- I mean, '9' -- it's for the show!"

47 -- PENNY JOHNSON ("Kasidy Yates"): "My husband would probably freak if you print this, but it's his age! He's a Trekkie, so when he goes in the archives he'll remember that he was 47 when I shot it."

7 -- ARMIN SHIMERMAN ("Quark"): "I picked 7 for two reasons. One is that it's Micky Mantel's number on the Yankees, but also 7 is my number on the call sheet. It was obvious to me that 7 was the right number to pick."

6 -- RENE AUBERJONOIS ("Odo"): Although he's an umpire, not a player, like Shimerman he used his character number from the daily call sheet.

25 -- ARON EISENBERG ("Nog"): "It's my son's birthday, in April! I didn't want to put 425 -- that would be too big a

number."

32 -- MICHAEL DORN ("Worf"): "For Sandy Koufax. I bat right but I throw left because of Sandy Koufax -- he was left handed. I've been a Doger fan since '67, when I first came out here from Texas. So it was very easy, I've played baseball all my life."

78 -- CIRROC LOFTIN ("Jake Sisko"): "The day they asked me what number I wanted to be was 8-6-98, the day before my birthday, which is August 7th, my 20th birthday. So I was born Aug 7, 1978 (8-7-78), so I picked 78 as my number."

55 -- CHASE MASTERSON ("Leeta"): "There's no story with my number. 55? Maybe that's how old I'll be by the time I learn to play baseball! I'll just say that it's a hidden talent of mine -- very hidden."

22 -- ALEXANDER SIDDIG ("Bashir"): "Me, they chose 22. No baseball, 'cause I'm English -- no sign of (baseball) in England. Now people are playing baseball and American football and stuff, but when I was young they weren't playing any of that -- just rugby and soccer, cricket."

43 -- NICOLE deBOER ("Ezi Dax"): "I thought maybe 9, 'cause I remember my grandfather always called me ?Big Number Nine? when I turned nine, and even after I was nine. I was still called ?Big Number Nine? for a while -- but someone had already picked nine, so I said I don't care. I got 43 or something -- it has no meaning, no meaning!"

13 -- MAX GRODENCHIK ("Rom"): Max was given his number "13" in the script -- and for obviously appropriate reasons, as the story proves.

Whose film is it anyway? (10/09/98)

By Mary Broderick

Everyone who's watched the making of a movie is familiar with that moment when, right before the director yells "Action!" a person runs into frame, stands right in front of the actors, says something cryptic like, "Scene 6, Take 3, MARK!" while slamming together a small wooden slate before scurry-

ing off-screen.

That seemingly harried individual is the Second Camera Assistant, or "2nd A.C.", and if you've ever thought about working behind-the-scenes on a movie, there is no better place to start. The responsibilities and pressure can be enormous, but the rewards are often just as great. The camera is, after all, the most important piece of equipment on the set, and much of the success of a production rests on the shoulders of the people who handle that equipment: the Director of Photography ("D.P."), the Camera Operator, the 1st A.C. (known as the Focus Puller in Europe), and the 2nd A.C. (Clapper/Loader).

In most cases, when you first join the camera department, you will be starting as a 2nd A.C. (or as a Loader on large budget productions). As the 2nd, you will be required to work the longest hours, schlep the heaviest equipment, and run the fastest, but you will also be put in charge of the most valuable item on the set -- the film. The D.P. knows this, the actors know this and the director knows this. Mr. Spielberg may not remember every grip or production assistant, but he definitely knows who you are, and, more importantly, he cares. The outcome of all his efforts depends upon the way you handle the film, and so looking out for the well being of the 2nd is definitely in his best interests. The 2nd A.C. handles every foot of film that is run through the camera, both in loading, identifying and tagging for processing.

On most film productions, the camera department has it's own truck with a built-in darkroom. On low-budget or no-budget films (note: to be avoided at all cost, unless it's for a friend), you may have to work out of a piece of equipment known as a changing bag. In either case, the raw film stock has to be transferred from film cans (those recognizable, round silver tins) to the "magazine" which is a lightproof repository for the film while on the camera. So as not to

risk exposing the film, loading must be done in total darkness and entirely by feel. This task can be quite nerve-racking to the novice Loader, especially when dealing with "geared magazines" which require film loops to be set at a specific length in order for the camera to work properly. This is accomplished by counting the number of perforations ("perfs") on the side of the film. Obviously, the camera assistant wants a quiet and calm environment in which to perform this painstaking task! The changing bag scenario is anything but calm. Imagine a bag about the size of a small pillow case. Now add a film magazine nearly the same size as that bag, a can containing 1,000 feet of fresh film, an empty can (for exposed film) as well as other supplies such as spare bags, cans, and film spool cores. Add your arms, up to the elbow. You are now ready to load film in a changing bag. Definitely a less-than-ideal situation. Not only is the A.C. open to all the chaos of the film set, he also must contend with crew members who wait for moments such as this to try out their latest practical jokes. A good A.C. learns to tune everything out while changing film. The 20,000 feet or more of film handled during a typical 12-14 hour day gives the 2nd plenty of opportunity to hone their craft. The darkroom is the 2nd A.C.'s sanctuary and a lot of care is taken in that little space. Stories abound of camera assistants going to extreme lengths to avoid mishaps, such as the one about the A.C. who shaved his entire body, including his head, in order to avoid the chance of a stray hair follicle falling into the film can. Obviously a certain perspective needs to be maintained. Although it is essential to be absolutely meticulous while handling film, the real objective is to get back on to the set as soon as possible. That's where the real movie magic occurs, and as the 2nd A.C., you get to be right in the thick of it. While on set, the main function of the 2nd is to assist the D.P. and 1st A.C. Some of his duties include slating, marking the actors' positions (see "Not Just Standin' Around"), changing camera lenses, filters & magazines, replenishing the breath mints, and maintaining the camera reports.

The Camera Report is a record of how many "takes" or versions of each scene were shot, how many feet of film was used during each take, what lens and filters were chosen, at what exposure the film was set, and how much film was "wasted" at the end of the roll. Each take considered "good" by the director or D.P. is circled so that the film lab has a guide for printing that day's scenes for the next day's viewing (this footage is referred to as "the dailies.") This report is updated after every take, so that the camera crew can track the amount of film left in the camera. The 2nd must inform the camera operator if he believes that there is not enough film left to complete another take. His failure to do so may result in a "rollout." A Rollout is so taboo in the film industry that it is seldom forgiven.

Not only is it hazardous to the mechanics of the equipment, but it also forces the entire production to shut down while the camera is reloaded and checked for damage. Having a camera roll out of film during the middle of a take will lead to, at best, a severe tongue lashing, and, at worst, a search for a new career.

Camera assistants have a tendency to become very obsessive about their camera reports. Some are downright fanatical about it. One of the strongest motivating factors for a 2nd A.C. to move up in the ranks is to get away from the camera reports. Therapy also helps.

The slate (sometimes called a "clapper" or "sticks") displays the current take and scene information as well as the production title, director and D.P. When the black and white striped boards are clapped together, there is a "mark" for sound editors to use for synching the audio tracks to the film (the stripes make an easier target to track for when the clap sound is first heard.) This slate also helps editors track which shot they're viewing for dailies and editing purposes. When viewing dailies, this slate also helps the director, producer, editor and D.P. easily identify which shot they prefer.

On some occasions, the slating of a take will be done after the action has taken place, especially when it is in a location difficult -- or impossible -- to reach by the

2nd! In these cases, the camera operator will swing the camera to a position where he can focus on the 2nd who holds the sticks upside down, as a visual I.D. for this "tail slate."

With the invention of electronic "timecode," (a digital counter encoded directly onto the film during processing), the sound of the "mark" is no longer requisite. However, slating continues to this day, not only as a back-up for the timecode, but also as an industry tradition. The aspiration of most A.C.s is to someday be the one behind the lens. Often times, as part of the camera crew, you find yourself working with some of the greatest cinematographers in the world. It's an incredible opportunity to learn from the masters. The trick is to get these people to tell their stories. Fortunately, most of them are just as eager to share their anecdotes with you as you are to hear them. A famous D.P. once revealed that his big break came when the camera operator for whom he was assisting contracted malaria during a location shoot in Kenya. Another explained that his first experience behind the camera came only two days into production with director John Cassavettes. The original D.P., recently emigrated from Italy, was "released from his duties" when it became apparent that he didn't understand English!

If you ask 100 different people how they got into this business, you'll get 100 different answers. Some attended film school; others worked as interns at equipment rental houses. A few wandered on to low-budget film sets offering to do anything that's needed (this can actually work!) However, if you ask enough people, you'll start to notice a pattern. Often times they begin their story with the phrase, "I just happened to be in the right place at the right time." Once you hear that enough, you'll begin to realize that every place is the right place. And once you find the right place, there's no looking back.

While Ms. Broderick hasn't worked on a Star Trek production, her experiences reflect the typical duties of a 2nd Camera Assistant. Some of the folks who have served in this capacity on Star Trek are listed below. We apologize in advance for any folks

The Mighty Max

we've missed!

Ed Brown, Jr. *ST:TNG*, Joe Chess *ST:TNG*, Marcella Ramirez *ST:TNG*, Scott Middleton *ST:VOY*, Mike Vejar *ST:DS9*

10.29.98 Avery Brooks and Jennifer Lien featured in AMERICAN HISTORY X

Avery Brooks and Jennifer Lien are featured alongside Ed Norton in the new film AMERICAN HISTORY X to be released on October 30th. The New Line Cinema drama focuses on two brothers coping with their father's murder and the hate, bigotry and resentment which ensues.

Read more about AMERICAN HISTORY X at www.ETOnline.com.

10.27.98 First Star Trek movie soundtrack reissued for 20th anniversary

First Star Trek movie soundtrack reissued for 20th anniversary
Fans of Jerry Goldsmith's now-familiar theme from "Star Trek: The Next Generation" can return to the music -- and much more -- in its original form as the main theme from the first *Star Trek* feature film.

The "20th Anniversary Collectors Edition" of the "Star Trek - The Motion Picture" soundtrack from Sony/Legacy, based on the 1979 film, adds new tracks and other surprises when it arrives in stores Nov. 2.

The newly remastered re-issue includes seven previously unreleased tracks from the feature, the original and new liner notes, and a bonus CD: the long-unavailable "Inside Star Trek with Gene Roddenberry" album from the mid-1970s. That disk, the first time on CD, also features unreleased material and newly recorded narration by Nichelle "Uhura" Nichols, adding to Roddenberry's original interviews with William "Kirk" Shatner, Mark "Sarek" Lenard and DeForest "McCoy" Kelley.

10.26.98 Star Trek: Voyager celebrates its 100th episode

In August the cast and crew of *Star Trek: Voyager* took a break from their busy production schedule to celebrate the filming of the series' 100th episode. Rick Berman was joined by series co-creators Michael Piller and Jeri Taylor, along with numerous Paramount Television and UPN executives to congratulate everyone on the landmark episode which is being directed by LeVar Burton and will air in November.

10.23.98 Tim Russ' debut music CD now available!

Tim Russ' debut music CD now available!

Fans may know how much blues, rock and jazz mean to Tim Russ ("Tuvok," *Star Trek: Voyager*), as the versatile performer regularly takes on guitar and vocals at Los Angeles-area venues, his brother Mike in the band as well on drums.

But there's a softer side to Russ' music, and now his fans don't even have to be in Southern California to share it.

STAR TREK: CONTINUUM visitors are among the first to have access to ordering Russ' four-song CD of acoustic and ballads, entitled *Only a Dream in Rio*.

The CD is \$8, with \$2 added for shipping and handling to U.S. addresses and \$4 to those in Canada. Orders from other countries cannot be accepted at this time.

Checks, made payable to "Insiders," or money orders can be sent to:
Insiders CD, PO Box 8248, Long Beach, CA 90808.

Orderers should allow three weeks for delivery.

10.23.98 "House of Horrors" scares up charity money with help from ST: DS9 staffers

DS9 actor, make-up artist help with local school's Halloween event
Not every high school in the country can boast of Hollywood talent helping

out with their annual spook house, but those in the Los Angeles area might do a double-take if they visit the Burbank High School Vocal Music Association's House of Horrors through Nov. 1.

Rene Auberjonois (*Odo*, *ST:DS9*) lends his talents to help out the school's choral support group at its House of Horrors, located in Burbank's Media City Center Mall's first level. Auberjonois appears on monitors in a taped segment as an undertaker greeting entrants.

The frightfest is a production of *Star Trek: Deep Space Nine* series makeup artist Dean Jones' own Hollywood Halloween Co., and is co-sponsored by Spoons restaurant and Hot Dog on a Stick. Proceeds benefit the BHS Vocal Music Association.

10.23.98 Third "on-line convention" for fans to feature invasion theme

Numerous Trek veterans will be joining in over Halloween weekend to help the Sci-Fi Channel's website The Dominion mark its third annual Scifi.com, the original on-line science fiction convention.

Aside from celebrity chats and forums, contests, panel discussions and specials, the virtual convention at www.scifi.com will feature audio and video-streamed clips from vintage cartoons, silent films and author readings.

Over a half million visited the 1997 edition, highlighted by a live performance of Leonard Nimoy

("Spock") and John de Lancie's ("Q") Alien Voices radio theatre troupe.

The cast -- including Dwight Schultz ("Barclay"), Jean Simmons ("Admiral Satie"), Jeffrey Combs ("Weyoun/Brunt") and Kurtwood Smith

("Annorax/Thrax") -- returns with a trilogy of classic horror stories performed live: Edgar Allen Poe's "The Cask of Amontillado," Rudyard Kipling's "Mark of the Beast," and Oscar Wilde's "The Canterville Ghost."

Also, Walter Koenig ("Chekov") and

The Mighty Max

"The Dominion" site's Seeing Ear Theatre honor the 100th anniversary of the H.G. Wells' original classic novel "War of the Worlds." The original adaptation will be audio-streamed in real-time on the site direct from the Museum of Television & Radio from New York City, and featured in tandem with the original, panic-mongering 1938 radio classic by Orson Welles' Mercury Theatre.

10.21.98 A note from Leonard Nimoy & John de Lancie

Dear Alien Voices Enthusiast, Leonard Nimoy and I (John de Lancie) have received thousands of e-mails about Alien Voices. Those letters have been generous and enthusiastic about the work we are doing. Many ask questions about our company, and many offer suggestions as to which titles to produce next. I wish we could answer each letter individually (we even tried for awhile!) but that's impossible. The next best thing is this letter. At least we can address some of the questions most frequently asked and give you an idea of our future.

Q. When is the next Alien Voice's production?

A. This month on TV! October 25 (Sunday night) on the Sci-Fi Channel (check your local listing). The show is called, "The Halloween Trilogy." We are featuring three classic stories: "The Mark of the Beast" by Rudyard Kipling; "The Canterville Ghost" by Oscar Wilde; and "The Cask of Amontillado" by Edgar Allen Poe. It's our best show yet and we are very proud of it! Leonard and I are in the cast as well as Ms. Jean Simmons, Jeff Combs, Dwight Schultz, and Kurtwood Smith. It's a Halloween show that'll keep you spellbound.

Q. Are there other Alien Voices' audio productions coming out soon?

A. Yes! We have just finished a two hour audio adaptation of H.G. Wells' "The First Men in the Moon." It will be distributed by Simon & Schuster Audio and should be available for the holidays. Our other Alien Voices titles are: The Time Machine, Journey to the cen-

ter of the Earth, The lost world, and The Invisible man.

Q. How can I purchase Alien Voices' video tapes and/or audio tapes?

A. Video -- Rhino Home Video will be releasing in January "The Lost World", "The First Men in the Moon" and "The Halloween Trilogy". Give them a call at 1-800-432-0020 if you want a copy.

Audio -- The fastest and least expensive way of purchasing our audio tapes is through the Alien Voices website <http://www.alienvoices.com> Or you can call 1-800-411-MIND (6463). Or you can ask your local bookstore.

Q. Have you ever thought of putting Alien Voices on the radio?

A. Yes! National Public Radio will be broadcasting our shows all across the country on Halloween and Thanksgiving of this year. Since NPR member stations have their own schedules, call the NPR station in your area and find out if they plan to air the shows, and when.

Q. How did Alien Voices get started?

A. Two years ago Leonard Nimoy, Nat Segaloff and I joined forces to create dramatizations of quality classic science fiction literature. Going back to the original stories, we realized how much the genre had changed over the years. We also realized how much the original works had been altered by people trying to "modernize" them. I hate to tell you but there is no goose named Gertrude in "A Journey to the Center of the Earth", nor is there an evil scientist who challenges Professor Lidenbrock's expedition. In Jules Verne's novel "Mysterious Island" there are no giant lizards, menacing bumble bees or overgrown chickens. Instead, there is a gripping adventure set in a threatening wilderness about men who believe that science and industry will make the world a better place for us all. In two years, we have written and produced ten dramatizations and we have hired our friends to perform them. Because of our rather obvious association with "Star Trek" and because of the many wonderful actors that have worked on the show we will never be at a loss for talent.

Q. Why radio? And...why radio on TV?!?!
on John de Lancie &

A. We love radio because sound is a pathway straight to the imagination. In an age of dazzling visual effects, the mind still has the power to conjure the best scenery, the fastest space ships, and the prettiest women. It also has another power: it's personal. Each listener becomes his or her own director, designer, cinematographer and conductor. You, the listener, help make the story come alive -- and that's what makes our work so enjoyable. Why, then, do video? Because we think (and we've been told) that it's fascinating to watch and still the story still comes through loud and clear.

Q. What new titles are you think of producing?

A. We are thinking of dramatizing Jules Verne's "20,000 Leagues Under The Sea," "Mysterious Island" and "Robur the Conqueror"; and possibly Mary Shelley's "Frankenstein," just to name a few possibilities.

Q. What is the future of Alien Voices?

A. That's a hard one to answer because it depends on you -- the audience. We produce the shows, but we don't distribute them to stores. Simon & Schuster and The Sci-Fi Channel distribute Alien Voices audio and video, respectively. If the public purchases the audio books, and if the TV shows get good ratings, the distributors have a vested interest in continuing their association with us. We think Alien Voices produces quality programming. If you think so too, you can help us by writing or e-mailing Simon & Schuster at: <http://simonsays.com/feedback/#emailus> and the Sci-Fi Channel at <mailto:program@www.scifi.com> to tell them how much you appreciate the shows and want them to continue. Be assured that your letters are read and taken very seriously.

I hope this answers some of your questions. We've been working hard at producing Alien Voices videos and audios, and in the future we will try and keep you updated in a more timely way. Thanks again for your interest in Alien Voices.

Sincerely,

Leonard Nimoy

10.20.98 Gene Roddenberry's 'Starship' set for Computer Animated Television Series

Mainframe Entertainment Lands Gene Roddenberry's 'Starship' for Computer Animated Television Series

Vancouver-based Mainframe Entertainment, Inc. (TSE: MFE), a leading producer of CGI animation for television series, interactive media and motion simulation rides, has acquired the rights to Gene Roddenberry's *Starship*™. Based upon an original concept by the renowned creator of *Star Trek*, the property will initially be produced as a 3D CGI-animated television series, with Mainframe retaining ancillary rights to exploit the series in all media. The treatment for *Starship* was developed by Majel Barrett and John Semper and was written by Semper. Both will serve as the series' executive producers as will Mainframe's CEO and Vice Chairman, Christopher Brough and President Ian Pearson.

"The fertile imagination of Gene Roddenberry was without doubt as vast and diverse as the galaxy in which he set *Star Trek*," said Brough. "Within that one historic television show, and the subsequent motion pictures that were spun off from it, Roddenberry created many concepts that have become permanently ingrained in the popular cultural consciousness of the world. It is our intention to use the production magic of 3D CGI animation to breathe life into *Starship* and to give audiences that special kind of entertainment experience they expect from a project that bears the Roddenberry imprimatur."

In commenting on their new venture with Mainframe, Roddenberry and Semper noted, "Gene is no longer with us, but if he was, there is no doubt that he would be using the latest technological tools of the cinema to continue his exploration and celebration of his 'Infinite Diversity in Infinite Combinations' philosophy. Gene Roddenberry's

Starship is to be that celebration. Based upon his concept of a vast starship built and launched to explore scientifically the reaches of the galaxy, it is, at its very core, the latest evolution of Gene's imagination in which once again the fortunate viewer will be taken 'where no one has gone before.'"

Pre-production activities including animation tests, character modeling and production design have begun at Mainframe's animation studios. It is anticipated that the series will begin production in mid-1999.

Mainframe Entertainment, Inc. produces long form computer animation for television, motion pictures, interactive media and motion rides from its state-of-the-art production facility located in Vancouver, Canada.

Founded in 1993, the Company presently employs more than 230 animators, technicians and production personnel, and has won many prestigious awards for its creative and technical innovation. The Company was recently selected for inclusion in the Smithsonian Institution's 1998 Innovation Collection for its creation of the world's first 100 percent computer generated weekly television series, *Re-Boot*™.

The Company's newest TV series, *War Planets*™ (aka *Shadowriders*™ outside the U.S.) is currently the highest rated syndicated children's television series in America. *Beast Wars*™ — *Transformers*™, Mainframe's second all CGI production, is currently entering its third season on televisions worldwide and continues to enjoy high ratings in the U.S. Mainframe's series have audiences worldwide in over 70 countries, and the company's series represent 105 half hours of production for the 1998-99 season

10.20.98 Paramount Pictures & The Planetary Society Search for Extraterrestrial Life

FOR THE FIRST TIME IN "STAR TREK" HISTORY PLANET EARTH IS INVITED TO HELP THE CREW OF THE U.S.S.

E N T E R P R I S E IN A REAL SEARCH TO SEEK OUT NEW LIFE AND NEW CIVILIZATIONS!

Join the search with SETI@home.

On October 19, 1998, Paramount Pictures' motion picture "Star Trek: Insurrection," in cooperation with The Planetary Society and SETI@home, will invite people from all over the planet to help in the search for extraterrestrial intelligence. "To seek out new life and new civilizations" has been one of the primary objectives of the U.S.S. Enterprise since the beginning of the *Star Trek* phenomenon. This is the first time in motion picture history that the public will have an opportunity to participate in an authentic search for life elsewhere in the universe. Those signing up to participate in this historic search will be able to do so from any corner of the globe by accessing the Internet. SETI@home is an innovative screen saver, developed at U.C. Berkeley by David Anderson and Dan Werthimer, which can be downloaded and used to analyze data scanned from the sky - which may contain a potential signal from an extraterrestrial civilization.

The SETI@home program will be analyzing data collected by SERENDIP IV (SERENDIP is an acronym for "Search for Extraterrestrial Radio Emissions from Nearby Developed Intelligent Populations" and it is the fourth in the series).

"Star Trek: Insurrection's" Director and Co-star, Jonathan Frakes, will pull the switch to start data recording for hyperlink mail to: SETI@home. The event will be televised on CNN.

SERENDIP IV operates at Arecibo Observatory in Puerto Rico. The 300 meter instrument is the world's largest single-dish radio telescope. Like a cosmic hitchhiker, SERENDIP piggybacks onto the observing runs of many astronomers. Typically, the Arecibo dish scans all of the sky visible to it once every six months, providing the SETI program a thorough survey of that region of our galaxy.

SETI@home is an innovative screen saver program that will harness the spare power of hundreds of thousands of Internet-connected home computers

The Mighty Max

around the world to crunch data from SERENDIP IV 21 cm. Thanks to the sponsorship by Paramount Pictures' "Star Trek: Insurrection" and The Planetary Society, the software will be available free to anyone wishing to participate in the program.

"With SETI@home, each person who uses the program has the chance to become the first human being to detect the whisper of an extraterrestrial civilization on an alien world," said Louis Friedman, Executive Director of the Planetary Society.

For over three decades, Paramount Pictures' popular Star Trek television series and motion pictures have had a mission "to seek out and explore...new life and new civilizations." SETI@home offers the public, worldwide, the chance to directly participate in the scientific search for life elsewhere. Paramount Pictures will promote SETI@home in conjunction with the December 11 opening of the newest Star Trek film, "Star Trek: Insurrection."

Those interested in becoming participants in the SETI@home project can sign up at any of the participating websites, including seti.planetary.org, planetary.org, startrek.com and setiathome@ssl.Berkeley.edu.

More exciting science?

Although SERENDIP has been in operation since 1976, the SERENDIP IV 21 cm sky survey will open a whole new range of possibilities when it searches for alien signals at what radio astronomers have nicknamed the "water hole."

Between the natural background radio noise of the galaxy and the radio absorption of our planet's atmosphere, is a low noise region of the radio spectrum, which scientists speculate might attract interstellar communication. Falling in this relatively quiet frequency range are the natural radio frequencies of hydrogen (H) and hydroxyl radical (OH). When these two molecules are combined on Earth they form H₂O — water, an essential element for life.

"Just as, for millennia, human villagers have gathered to gossip at the communal well, we hope that far-flung alien species might choose to communicate

across the vast reaches of space at this intergalactic water hole," said Friedman.

Carl Sagan, Bruce Murray and Louis Friedman founded the The Planetary Society in 1980 to advance the exploration of the solar system and to continue the search for extraterrestrial life. With 100,000 members in over 100 countries, the Society is the largest space interest group in the world.

"Star Trek: Insurrection," the third motion picture featuring the cast of the Emmy-winning television series "Star Trek: The Next Generation," created by Gene Roddenberry, is produced by Rick Berman and directed by Jonathan Frakes. The screenplay for "Star Trek: Insurrection" was written by Michael Piller, from a story by Rick Berman and Michael Piller. Marty Homstein serves as executive producer. Peter Lauritson serves as co-producer, and Patrick Stewart is associate producer for "Star Trek: Insurrection."

"Star Trek: Insurrection" opens in theatres throughout the U.S. and Canada on December 11, 1998. Paramount Pictures is part of the entertainment operations of Viacom Inc.

10.16.98 Terry Farrell looks to be back on TV sooner than later

The dearly departed prior host of *Star Trek: Deep Space Nine's* Terry Farrell ("Dax"), looks to be back on TV sooner than later in her new sitcom with Ted Danson, "Becker."

CBS has made its first cancellation of the season, "The Brian Benben Show," and plans to move the Danson/Farrell series into its place, ahead of "Becker's" previously announced January opus.

"Becker" will premiere in the 9:30 pm Monday slot Nov. 2. Farrell plays Reggie, the lovely owner of the bar where Danson's gruff-doctor character, John Becker, hangs out and vents whatever is on his mind. The show is produced by Paramount Network Television for CBS and is filmed on the Paramount studio lot.

Starring:

Ted Danson as Becker
Terry Farrell as Reggie

Hattie Winston as Margaret
Alex Desert as Jake
Shawnee Smith as Linda
Executive Producer: Dave Hackel
Created By: Dave Hackel

10.16.98 Hollywood's haunts to be visited by Shatner

The otherworldly side of Tinseltown will be chronicled by host Willaim Shatner ("Kirk") during AMC's upcoming pre-Halloween special, *Hollywood Ghost Stories*.

The one-hour documentary will air on Friday, October 30 at 9 p.m. (ET) and again at midnight, as part of AMC's *Monsterfest: House of Horrors* week October 26 - Nov. 1, along with 25 classic horror films and a Halloween weekend marathon.

The AMC original production examines the many ghosts, haunted landmarks and otherworldly doings of Hollywood, including a startling new discovery — the "curse script" that may link the deaths of comedy heavies John Belushi, Sam Kinison, John Candy and Chris Farley.

The U.S.S. Maximillian Asks for your Attendance at the next Monthly Meetings.

December 12, 1998

January 9, 1999

February 13, 1999

Star Trek: Fact or Fiction?

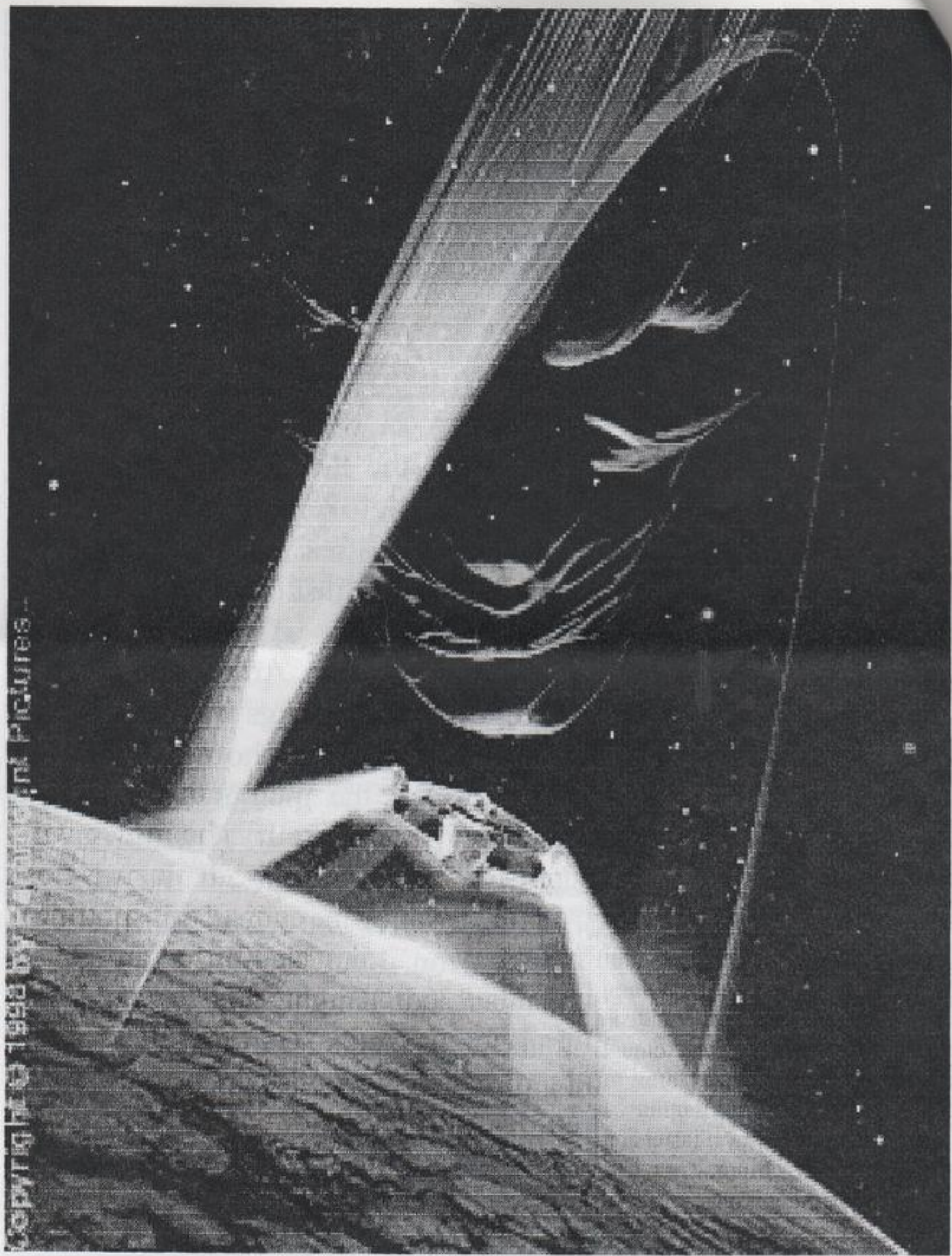
By LCDR Sidley E. Howard

As you may know, the biggest news from NASA this past year has been John Glenn's return to space, but to those of us who require more info about NASA have learned a great deal more. On October 24, 1998, NASA launched a rocket carrying a long term space exploration vehicle named Deep Space 1. Not only does the name carry a resemblance to Star Trek, but the engine it is propelled by is an ion propulsion engine, similar to the one described by LT. Scott in the Original Series Episode, "Spock's Brain". This Engine uses Xenon gas as it's main fuel source, when the xenon gas is bombarded with electrons the resulting xenon ions are drawn towards high voltage grids and spewed into space at a speed of more than 62,000 mph. It will reach the outer rim of the solar system in just over two years instead of the twenty years it took Voyager I and II. The space craft will continually speed up as long as the fuel lasts, which could be hundreds of years. Even though this is an experimental form of propulsion, Nasa is hoping it would make space travel faster and less expensive. More Nasa Updates in upcoming issues.



On May 21, 1999, after some twenty years since the first "Star Wars". The obscenely long over due prequels begin to arrive in theatres. The subtitle of the first of these has just been released: The Phantom Menace. The movie centers around 8 year old Anakin Skywalker, and his first meetings with Obi-Won Kenobi, the princess who would become his wife, and the mother of Luke and Leia, and Yoda himself. The movie will star Eric Lloyd (Jingle all the way) as Anakin, Ewan McGregor (Trainspotting) as Obi-Won, Liam Neeson as an as-yet unnamed Jedi Knight, and the voice of Frank Oz as Yoda. George Lucas, after not directing a movie since Star Wars, returns as director. John Williams composes. Part 2 follows in 2001, and Part 3 closes the prequels in 2003.

Copyright © 1993 by Columbia TriStar Pictures



THE MIGHTY MAX

NOVEMBER 1998



Copyright © 1998 by Paramount Pictures. All Rights Reserved.

15	16	17	18	19	20
				TERRY FAR- RELL'S+ROBE RT BELTRAN'S B-DAY	21 COLUM- BUS MEET- ING ALEXANDER SIDDIG'S B-DAY
22	23	24	25	26	27
		DENISE CROSBY'S B- DAY			28
29	30				ASGARD MEETING

THE MIGHTY MAX DECEMBER 1998

THE MIGHTY MAX DECEMBER 1998

SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5 KITTYHAWK MEETING
6	7	8	9 MICHAEL DORN'S B- DAY	10	11	12 MONTHLY MAX MEETING



COMMISSIONER'S ADDRESS

FADM Robert S. Lyon, Commissioner

Greetings one and all. I apologize for not being readily available over the last few months. School has been keeping me very busy. I hope everyone had an enjoyable October. I would also like to wish a happy birthday to LT Chris Stephenson, LCDR John Upp, and LT Debbie Ouellette. In regards to your records, please get your points and awards together so that RADM Morris can log those in the records book, so that we know where everyone stands. Those of you who may be up for promotion, get your paperwork together for review. To department officers and those wishing to make submissions to the newsletter, please be sure you have your articles to Lieutenant Chris Stephenson no later than midnight, November 25, 1998. Well, that's all I have for this month. Hope to see you all at the November meeting--Until then...



Communications Report

Cynthia Ayers, Chief Communications Officer

Dear Max friends: What a glorious fall we are having! I especially enjoyed September being so warm. I would like to share with all of you a little bit about the Fab 4 (actually, Fab 3) convention in Steubenville. Rob, Sidley, and I had a great time riding there and back. The fall colors were great! I appreciate Rob so much for driving. The best time at the convention was listening to George Takei. His deep voice is always so fun to listen to and he talked so eloquently about the legacy of Star Trek. He talked about how Star Trek opened the world for him and how Star Trek is now such a world-wide phenomenon. It now embodies in fact its original premise that we are all interlinked. George said that fans "proliferate like Tribbles!" One funny thing that he said was that grey-haired people are now coming up to him and saying, "I grew up on Star Trek!" It's making him feel very old! But, he also stated that since all original crew are still alive, it would be a shame not to have them come together for a show or a movie. Finally, I was able to talk with George personally and tell him how much I enjoyed reading his book. To the Stars. He signed it: "To Cynthia, May you reach for the highest star. George Takei." Made my day!

As far as communications: I am working on letters to DS9 and Terry Farrell for us to sign as a ship. I hope to have them ready next month. Also, continue to remember Perkins. One idea is to save up your loose change for a week. I'm also hoping to have a Trivia contest and a drawing. We have 50.00 so we are halfway there!

I just purchased Cinefantastique Nov. issue. It has good articles on all of last year plus great info, about special effects.



Hope John Glenn and the rest of the crew have a wonderful time in space!

Love long and rejoice always, Cynthia Ayers

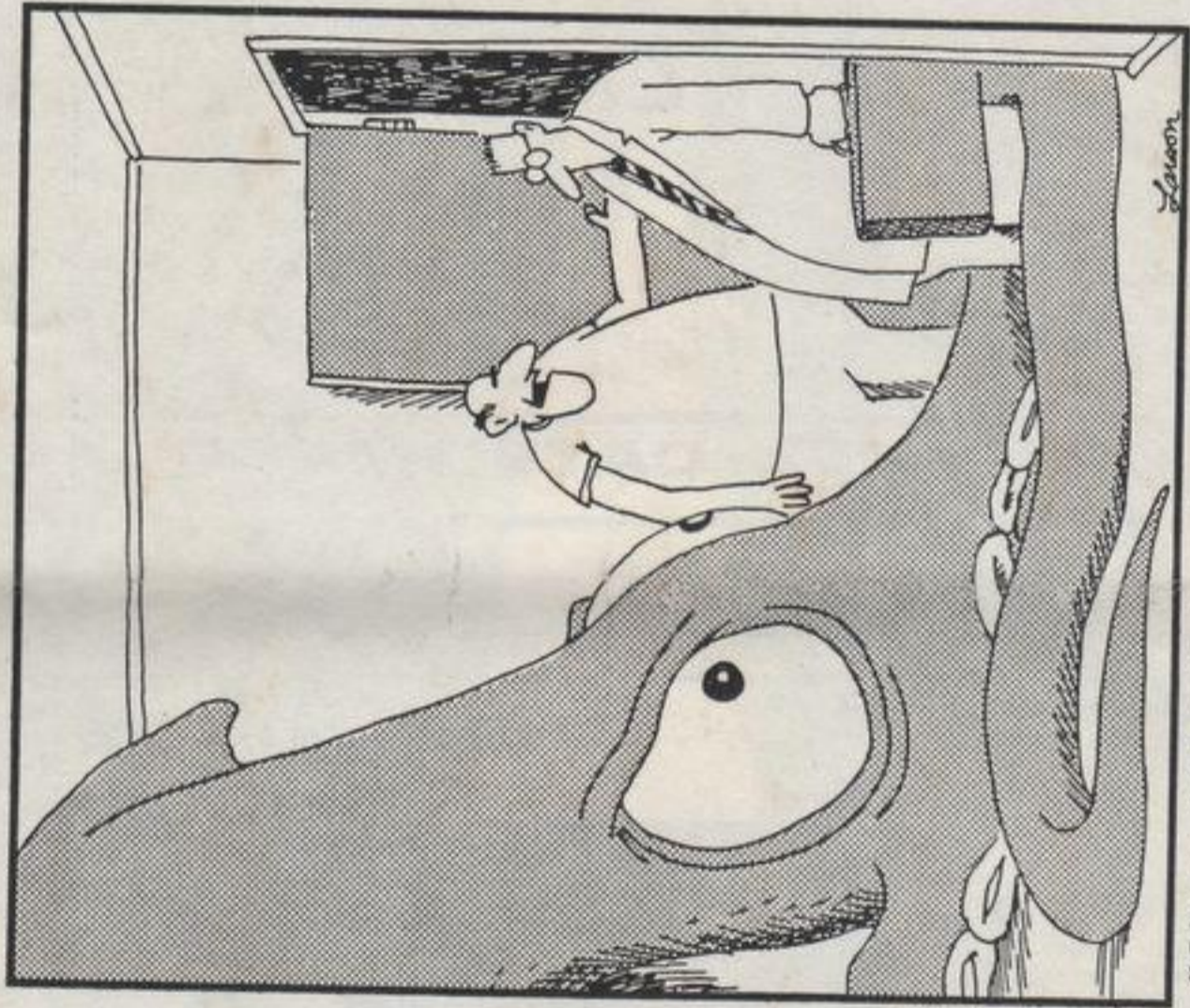
NOW HEAR THIS!

The Due date for all submissions to the MIGHTY MAX is 11/25.
Please call 475-1839, or e-mail chrisstephenson@hotmail.com to submit.

For Snail mail, The address is.

Chris Stephenson 298 Jennie Dr. Gahanna, OH, 43230

This is for Blobbin



“Oh, no, he’s quite harmless. ... Just don’t show any fear. ... Squids can sense fear.”

CAPT TERRY McPHERSON
COMMANDING USS MAXIMILLIAN (NCC-74997)
3008 BARBEE AVENUE
GROVE CITY, OH 43123

U.S.S. MAXIMILLIAN
STAR TREK FAN ASSOCIATION
"Reach for the stars, and Grab the Future."



USS MAXIMILLIAN
NCC-74997

Matt Morris
6028 Darby Ln.
Columbus, OH 43229

AA RUSH: DATED MATERIAL AA

THE MIGHTY MAX

THE FAR SIDE

Gary Larson

RENEW OR JOIN TODAY!

The *Maximilian* is an independent, non-profit Fan Association dedicated to bringing *Star Trek* and science fiction fans together, providing a medium in which they can incorporate and follow the ideals as depicted in the *Star Trek* universe.

MEMBERSHIP:

Annual membership fees are as follows:

SINGLE

\$10.00

FAMILY (2 OR MORE)

\$12.00

These fees are applied toward publication and distribution of the newsletter and various



"For heaven's sake, Elroy! ... Now look where the earth is! ... Move over and let me drive!"



"Now you've done it!"



Public Relations Report
LT Debbie Duquette,
PR OFFICER

A NOTE FROM PUBLIC RELATIONS

Sorry I haven't written for a while, but a new apartment and job had kept me very busy. You will be getting regular reports from me from now on. Slanted Fedora is considering having a convention here in Columbus sometime next year. On another note, One Trek Mind will be holding a convention on the weekend of 20-21 of March, 1998. Mark Alaimo (Gul Dukat [DS9]) and Ethan Phillips (Neelix [VOY]) will be appearing as guests. FADM Lyon will be providing additional information at the meeting and in the next issue.

To add to all of this fun stuff, the camping trip that was supposed to be for September (which did not take place) is being rescheduled for January. In this, a cabin will be rented at Hocking Hills State Park for the ship during one weekend in January.

Let us welcome back our illustrious admiral, Robert Lyon.

Until next month, keep your feet flat on the ground, and keep watching the stars...



Security Report
Manny Medina, Chief of Security

I would like to thank the Captain and the Executive Staff for this chance to serve the ship. As the new Security Officer I will be looking for a few good red shirts. I will supply the Bulls eye, you supply the shirt. I am sorry I had to miss Stenbenville but they wouldn't let me out of the Hospital can you believe that, but everything is fine for me now I feel good as new. May you have a Happy Thanksgiving. Maj Manny Medina Security Officer



INTELLIGENCE REPORT
BY
LCMR SIDLEY HOWARD,
CHIEF INTELLIGENCE OFFICER

already know Walter Koenig was in town on Nov 9, to speak about his book *Warped Factors*. I hope everyone who wanted to attend Vulcon over the Halloween weekend got the chance to do so. This weekend there is an International Food Fair at Vet's Memorial. I hope everyone will attend at some point. I am still looking for input concerning doing volunteer work at the adult day care center, please let me know ASAP if you still want me to pursue this. Also I am looking for people who want to learn how to play the ST:TNG roleplaying game, I know a few of you have read it and seemed interested in starting a game session. Again, let me know ASAP. I am also starting a newsletter exchange program with different clubs around the country, so if you are done with your newsletter don't throw it away, let me have it so I can mail it to another club.

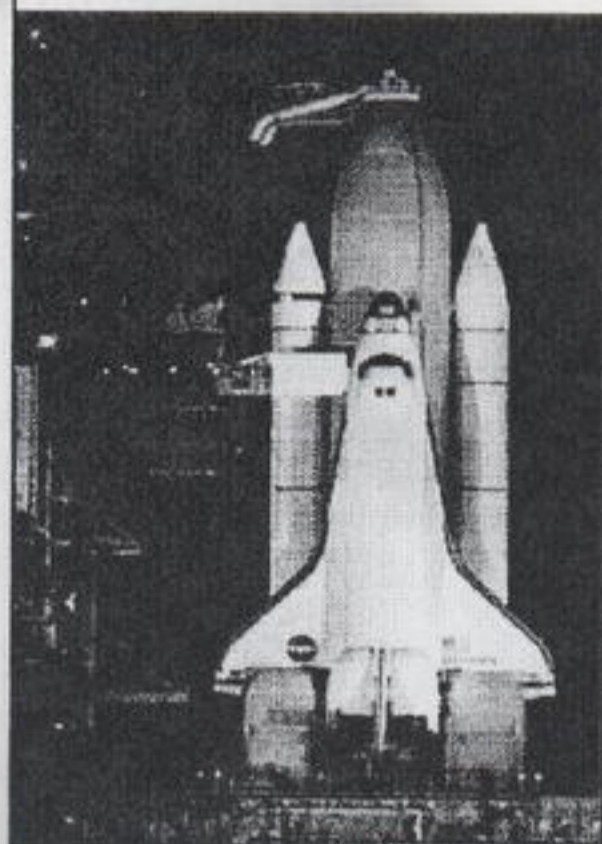
That's all for now, check out my article on space flights and NASA.

Greetings, Crew.

This is my first official report as chief of intelligence. Thank you for placing your trust in me to hold this position. I would like to thank everyone who attended the con in Stenbenville, even though we didn't do much all day it was nice to be there. If you didn't

www.Maximillian.ORG

The Mighty Max on the Internet. Recent updates, and more!
 Make it so.



JOHN GLENN RETURNS TO SPACE

A Mighty Max Special Insert

The space age

John Glenn's mission has been space flight for more than 30 years — but it's never over and never really ended — it's just here it is!

- 1926: American scientist Robert Goddard develops and launches the first liquid-fuel rocket.
- 1944: 1942: Germany attacks Britain with V-2 ballistic rockets, one of the first military missiles used.
- 1957: Soviets launch Sputnik, which means "traveling companion," into orbit, making it Earth's first artificial satellite. Radio transmitters around the world pick up Sputnik's signal.
- 1958: United States orbits its first satellite, Explorer.
- 1960: First U.S. weather satellite, Tiros, is launched.

V-2 rocket



1961: Soviet cosmonaut Yuri Gagarin, aboard Vostok 1, becomes the first man in space.

1961: Alan B. Shepard Jr. is the first American launched into space, less than one month after Gagarin.

1962: Glenn, the third American in space, makes first U.S. orbital flight aboard Friendship 7, orbiting Earth three times.

1962: Telstar, the first communication satellite, is launched.

1963: Russian Valentina Tereshkova becomes the first woman in space, orbiting Earth for nearly three days in Vostok 6.



Vostok capsule

1964: Cosmonauts Vladimir Komarov, Konstantin Feoktistov and Boris Yegorov spend 24 hours in orbit aboard Voskhod 1, making the mission the first multi-person space flight. The United States launches its Gemini program in 1965.

1965: Cosmonaut Alexei Leonov is the first person to walk in space. Because of a systems failure, Voskhod 2 crashlands in an isolated forest, where Leonov and Pavel Belyayev fend off wolves until rescuers find them the next day.

1967: During an Apollo test on the launchpad, a flash fire inside the Apollo One cabin kills astronauts Gus Grissom, Edward White II and Roger Chaffee.

1969: Apollo 11 astronauts Neil Armstrong and Buzz Aldrin become the first humans to set foot on the moon.



Buzz Aldrin

1970: Soviets launch robot moon rover, Lunokhod 1.

1970: The Apollo 13 mission to the lunar surface nearly ends in tragedy as an explosion short-circuits the spacecraft. The Apollo 13 team, led by Jim Lovell, returns the craft safely to Earth without landing on the moon.

1971: Soviets launch the first space station, Salyut. Three cosmonauts spend 23 days on the station conducting experiments. During the return journey, air leaks out of the spacecraft, killing all three cosmonauts.

1972: U.S. astronaut and Soviet cosmonauts rendezvous in space during the Apollo-Soyuz Test Project.

1977: U.S. Voyager probes fly to Saturn, Jupiter, Uranus and Neptune.



Saturn

1981: The United States ushers in the space shuttle era by launching Columbia, the first reusable spacecraft.

1986: Shuttle Challenger explodes 73 seconds into flight, killing seven astronauts including the first schoolteacher in



Challenger

space: Christa McAuliffe.

1986: Soviets launch first section of Mir, the largest space station ever built. It lasts for a few months in 1989. Mir has been continuously manned since 1997.

1990: United States launches Hubble Telescope, allowing scientists to see clearer pictures of space than ever before.

1995: Cosmonaut Valery Polyakov spends a record 439 days in orbit.

1996: The U.S. lands Pathfinder on Mars to conduct experiments and check for signs of past life.



Pathfinder

1998: Glenn to return to space as shuttle crew member aboard Shuttle Discovery.

Source: NASA and Smithsonian Institution

By Mighty Max

On February 20, 1962, John Glenn, in the Capsule of the *Friendship 7*, Took a leap into history by orbiting the earth 3 times. Now, on October 29, 1998, Glenn and the crew of the *Discovery* blast off again. Over the next few pages are articles from the Columbus dispatch and Glenn-flight.com relating to this historic launch. All articles are taken from the Columbus Dispatch and no copyright infringement is intended. Thanks to Cynthia Ayers.

John Glenn makes another legendary liftoff

Discovery's star rider gets down to work

By David Lore
Dispatch Science Reporter

Oct. 30, 1998

CAPE CANAVERAL, Fla. -- John Glenn is hoping for a successful launch today.

That's right -- today.

The senator, a mid-deck payload specialist aboard the space shuttle Discovery, is scheduled to kick off his heralded return to space by taking charge of launching a small Navy communications satellite called PANSAT.

If PANSAT can be slipped into orbit as easily as Discovery was yesterday, Glenn can celebrate his first accomplishment in orbit since his historic three laps around Earth in the Friendship 7 capsule on Feb. 20, 1962.

NASA yesterday celebrated its 40th birthday in grand style by pulling off its 92nd launch with the 77-year-old space pioneer on board.

"Boy, enjoying the show," Glenn said as Discovery soared 340 miles over Hawaii three hours into the flight. "This is beautiful. It's still a trite old statement: Zero-G and I feel fine," he added, repeating the words of his first flight.

Glenn revived Americans' spirits during the Cold War by becoming the

first American to orbit the Earth, challenging Russian dominance in space. Yesterday, he recharged America's emotional batteries once again, although this time Glenn is competing not with cosmonauts but rather against old age.

Under a beckoning blue Florida sky, Discovery and the Kennedy Space Center launch team pulled off an almost-flawless performance before President and Mrs. Clinton, the NASA brass, dozens of state and national officials and hundreds of thousands of well-wishers crowding the spaceport's perimeter in cars, campers, recreational vehicles and pleasure boats.

"Liftoff of Discovery with six astronaut heroes and one American legend," launch commentator Lisa Malone said.

Glenn gave two thumbs-up then grasped a harness in front of his flight seat as Discovery shot off the launch pad.

On the way up, Glenn spoke into a tape-recorder, chatted with crewmates Chiaki Mukai and Stephen K. Robinson and, at times, grasped their hands. Once the shuttle reached orbit, Robinson welcomed Glenn back to space with a vigorous handshake.

Soon after reaching orbit, how-



ever, Glenn unstrapped himself and for the first time ever floated free and weightless.

The only problem yesterday -- and space agency officials insisted it doesn't appear to be a serious one -- was that an 18-by-22 inch aluminum door that covers the drag chute used during landing apparently fell off two seconds after the shuttle's main engines started.

That didn't affect Discovery's majestic climb into orbit and shouldn't change its schedule over the next eight days, said Donald McMonagle, manager for launch integration.

McMonagle said there's no indication the chute is damaged. Plus, shuttles routinely landed without such a chute until it was added as a safety factor.

The launch, at about 2:25 p.m., was delayed slightly when two small planes came too close to the launch area and had to be shooed away by Air Force controllers. (cont. on p-7)

(continued from P-6)

Glenn reached orbit about 10 minutes later, but nobody aboard had much time to enjoy the view.

The time after entering orbit is busy during any shuttle mission because the ship has to be converted in a few hours from a launch vehicle into an orbiting laboratory, said former astronaut Kathryn Sullivan, now president of COSI in Columbus.

"I can tell you nobody is kicking back and drinking some juice and finding the chips and enjoying themselves at that point," said Sullivan, who served on shuttle flights in 1984, 1990 and 1992 and attended the launch.

Glenn had a moment or two of sightseeing.

"I don't know what happens on down the line, but today is beautiful and great, and Hawaii is, I just can't even describe it," he said.

Glenn quickly surpassed his previous flight time of four hours, 55 minutes and 23 seconds. "I'm now doubled on my space time and building up every second," he told mission control.

Glenn's wife of 55 years, Annie, their two children and two teen-age grandchildren watched liftoff from the top of the launch control center.

Sullivan said she expects the crew will be exhausted after their first 13-hour day.

The launch itself, she said, is less uncomfortable than flying a high-performance jet although the accel-

eration at two to three times normal gravity continues for up to eight minutes.

Those G-forces, however, are only half as strong as Glenn experienced atop an Atlas rocket in 1962.

There's only one first-time flier in the crew: Spanish astronaut Pedro Duque.

Other members of the crew, in addition to Glenn, are commander Curtis Brown, pilot Steve Lindsey, mission specialists Robinson and Scott Parazynski and payload specialist Mukai, a Japanese heart surgeon.

In addition to deployment of the Navy satellite, the crew will check out the shuttle's robot arm and begin flight tests on a new "E-Nose" device to monitor air purity and prevent a build-up of toxic chemicals in the shuttle's mid-deck research area.

There are 83 research projects aboard Discovery, ranging from studies of the solar corona and energy discharges from Jupiter to biological experiments with fish, plants and insects.

Much of the publicity has been about Glenn's role as a subject for monitoring whether the body of an elderly person is affected differently by weightlessness. Geriatrics, however, is only a small part of the research mission.

There are 25 different medical experiments planned, for example, as well as 17 just to test how new

equipment works when exposed to space radiation and low gravity.

Astronaut assistance is required for nearly all projects, although their job may be as simple as switching on automated equipment.

Discovery's primary mission is successful operation of the 12,000-pound Spacehab module, a 10-by-13 foot laboratory riding in the cargo bay. Spacehab contains 61 lockers, each of which can hold up to 60 pounds of experimental equipment. Tests there are all to determine how terrestrial processes, living or non-living, are affected when gravity is only one one-millionth what it is on Earth.

Spacehab will be operated by Mukai and Duque, although Glenn and mission specialists may be asked to help.

Although space research often seems fragmented and repetitive, there is enough continuity to produce progress and the growth of entire new fields of space studies, said Larry Young, who directs a space institute at the Massachusetts Institute of Technology.

"We are in fact asking the right questions and using the right tools" to figure out the possible benefits and hazards from working in space, Young said. "We're ready to go into the space-station era."

Information from the Associated Press was used in this story.

Launch a blast for students

By Roger Alford and Matthew Marx

Dispatch Staff Reporters

Oct. 30, 1998

The voice over the intercom announced the problem.

"We're at T-minus five minutes and holding, and it's time for recess," said Principal Deborah Grant. "It's up to you whether to go out now or wait until after liftoff." No one moved.

After weeks of studying space, excitement had reached a fever pitch at Berwick Alternative Elementary School yesterday, and pupils there weren't going to let a little thing like recess keep them from seeing John Glenn's return to space.

And over at Ohio State University, many students -- most of whom were in grade school the last time they stopped to watch a space shuttle launch -- took time out from classes and work to watch the event.

"This is a lot more exciting than going out to play," said 10-year-old Matthew Evans, eyes fixated on the TV at the front of the classroom.

Berwick, which specializes in teaching math and science, exploded with cheers when the shuttle's engines finally fired, some 18 minutes late, thrusting the 77-year-old Glenn

back into space.

"He's actually my space idol," said 10-year-old Michael Evans. "Some people might have done this for the publicity. But he's doing it for the science."

Glenn was invited on the mission to participate in aging experiments that could benefit mankind. But as liftoff neared, children in Jody Shepherd's fifth-grade class at Berwick left no doubt that the mission also had a major educational benefit -- it sparked a hot new interest in science.

"You're not pulling this out of a book," said Shepherd, who was the same age as her pupils when Glenn became the first American to orbit the Earth. "This is happening now. This is history in the making. This is exciting."

Shepherd said the mission gave the children a fresh look at gravitational forces, the Earth's atmosphere and the solar system, making it perfect for math and science instruction. It also was great for reading and writing, she said.

"This is the perfect day to be a kid," said Sam Braxton, 10. "We're having lots of fun at school, and tonight is trick-or-treat."



Leanne Devereaux, 21, of Grafton, Ohio, was in third grade when she saw seven astronauts die in the Challenger disaster in 1986. Lying on the floor of OSU's Bricker Hall lobby yesterday, she anxiously watched the countdown on a large-screen projection TV.

"Those delays -- waiting for it to happen -- made me nervous," said Devereaux, who was allowed to leave her job at the Ohio Union to watch the university's shuttle launch celebration. "It's really exciting. It's making history. I'll always remember where I was."

About 150 students, faculty and staff crowded in front of the screen, which hung over a stairway from the lobby's first floor. Someone pulled a portable TV on a chair out of a nearby office to get a better view. Others sat on the stairs beneath the big screen and looked up as if they were in the front row at a drive-in theater. Before the launch, about 20 (cont on P-9)

(Cont. from P-8)

members of the OSU Men's Glee Club serenaded the group with *Buckeye Battle Cry*, *America the Beautiful* and *Carmen Ohio*.

As his fellow glee club members donned their backpacks and left, Matt Lovell stuck around to watch. Lovell met Glenn five years ago during a 4-H trip and thought he looked really old then, he said.

"The shuttle goes up every couple months, but people don't watch," said Lovell, 20, of Delaware. "This is Space Mountain for senators."

With TV sets and computers with Web access throughout campus, the launch was hard to miss. But some students did.

Cathy Black asked her Anthropology 200 instructor if the class could see the liftoff. Request denied.

"I'm really mad," said Black, 22, of Huron, Ohio. "I had to watch a movie about monkeys instead of the launch."

Black didn't recognize Glenn when she met him a few years ago during a visit to campus by President Clinton, she said. After Black sang the national anthem at an event, Glenn complimented her and introduced himself, she said.

Glenn's spaceflights

FRIENDSHIP 7

GENERAL INFORMATION

Objective: To orbit a manned spacecraft around Earth, to investigate man's ability to function in space and recover both man and spacecraft safely.

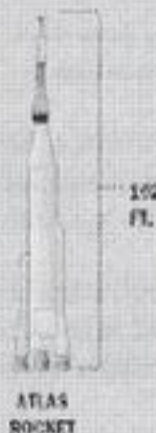
Longevity: Capsule and rocket used for one mission.

LAUNCH

Launched in upright position atop an Atlas rocket.

Launch time: 9:47 a.m., Feb. 20, 1962

Launch problems: Initial launch dates of Dec. 20, 1961 and Jan. 16 and 23, 1962 were postponed to Jan. 27 when the rocket was finally fueled. The launch was scrubbed in final minutes of countdown due to adverse weather. Subsequent launches on Feb. 13, 14, 15 and 16, were also scrubbed by adverse weather or technical problems.



ATLAS ROCKET

FLIGHT

Orbits: Three

Duration of mission: Four hours, 55 minutes

Distance flown: 75,878 miles

Seats: One

Space per person: 36 cubic feet

Computers: None

Cabin atmosphere: 100 percent oxygen



MERCURY CAPSULE

RECOVERY

Date: Feb. 20, 1962

Location: 800 miles southeast of Bermuda. Pilot fires retrorockets to slow craft so it drops out of orbit. It descends with a parachute to splash down in the ocean where a Navy ship retrieves it.

Source: NASA, KPT

DISCOVERY

GENERAL INFORMATION

Objective: To conduct science experiments in the pressurized Spacelab module; to deploy and retrieve the Spacelab free-flyer payload, and to complete operations with the HST Orbiting Systems Test and the International Extreme Ultraviolet Hitchhiker payloads being carried in the payload bay.

Longevity: Shuttle and boosters are reusable. (Discovery has flown 23 missions.)

LAUNCH

Launched in upright position, thrust provided by three shuttle engines and two solid rocket boosters attached to an external tank.

Launch time: 2 a.m., Oct. 29

Fuel: Liquid hydrogen and oxygen, aluminum powder and oxidizer

FLIGHT

Orbits: 144 (predicted)

Duration of mission: 8 days, 20 hours (predicted)

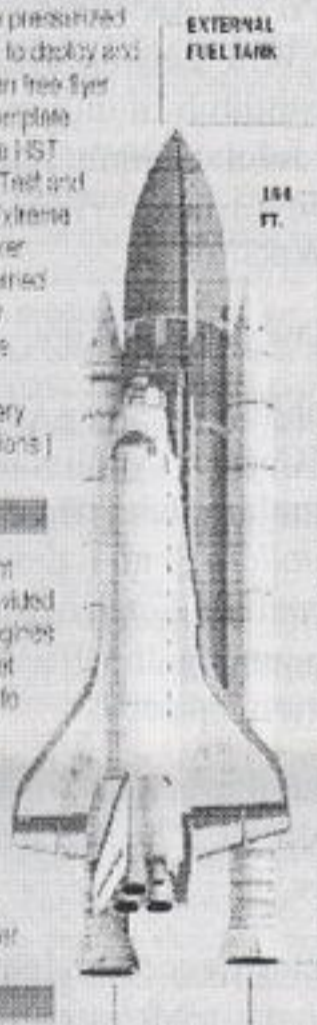
Distance flown: 3,600,000 miles (predicted)

Seats: Seven

Space per person: 332 cubic feet

Computers: Four main, one backup

Cabin atmosphere: 21 percent oxygen, 79 percent nitrogen



EXTERNAL FUEL TANK

184 FT.

AUXILIARY BOOSTERS



RECOVERY

Date: Nov. 7, 1968

Location: Kennedy Space Center Shuttle Landing Facility. Pilot decreases orbiter's speed so it will drop out of orbit. The orbiter glides to Earth and lands on runway like an airplane.

Source: NASA, KPT

**Stars to come out for
Discovery Liftoff**

Glenn set to rocket into history

October 29, 1998

By David Lore
Dispatch Science Reporter

CAPE CANAVERAL, Fla. (AP) -- Will Leonardo DiCaprio, the heartthrob of millions, be here to see John Glenn's launch? How about Bruce Willis and Tom Hanks?

October 29, 1998

CAPE CANAVERAL, Fla.-- No quiet retirement party for John Glenn.

Maybe. Maybe not.

The 77-year-old astronaut-turned-senator-turned-astronaut will have the eyes -- and hearts -- of the world with him today as he attacks not only the barrier of space but the restraints imposed by time

If all goes well, Glenn -- at a few minutes after 2 p.m. -- will become the oldest human to fly in space.

Published reports say *Titanic* star DiCaprio, Willis and frequent shuttle watcher Hanks, who made *Apollo 13* and the HBO series *From the Earth to the Moon*, will be among the VIPs for Glenn's return to space.

Glenn's age, however, is not what's bringing President Clinton, the Capitol Hill gang, several thousand journalists and hundreds of thousands of rubberneckers to the Kennedy Space Center.

Rather, it's the drama of seeing whether the rocket jockey from Ohio who became a national hero by blazing America's way into orbit in 1962 still has enough stuff left 36 years later to do it again as a member of the space shuttle Discovery crew.

But the actors are not listed in NASA's 22-page list of celebrities.

As of yesterday, NASA officials were reporting no significant obstacles to today's launch.

Actor Bruce Boxleitner is. So is his wife, Melissa Gilbert, star of *Little House on the Prairie*.

No technical problems had arisen as of last night, and perfect flying weather is expected.

The seven astronauts are in "very, very good spirits" following several days of private time with their families since arriving at Cape Canaveral from Houston on Monday, reported astronaut Charles Precourt, a veteran space pilot on the crew preparation team.

Will John F. Kennedy's children -- Caroline Kennedy and John Kennedy Jr. -- be present for this moment of history?

They didn't have to get up yesterday until 9 a.m., "teen-ager hours" in Precourt's view. After an afternoon visit to Discovery's launch pad, 39-B, crew members were to have more briefings and family time before turning in at 11:30 p.m.

The countdown will proceed to T-minus 3 hours before the astronauts enter the orbiter today.

Some say yes, some say no. The official VIP list has but one member of the Kennedy clan, Eunice Kennedy Shriver.

At nine minutes before launch, there's a standard 10-minute hold for final launch preparations.

Discovery's computers take over at 31 seconds before launch, with the shuttle engines firing first, 6.6 seconds before the two rocket boosters kick in, hurtling the whole 4.5-million-pound assembly into space.

Stars and celebrities often attend NASA launches without any announcement by the space agency.

Although blastoff is set for 2 p.m., it can be delayed until 4:30 p.m. if glitches develop. Discovery also could be launched Friday, but after that, the mission would be delayed until next week.

A successful launch of a space shuttle depends on the harmonious marriage of technology, weather and human expertise.

Nasa officials say that the attention being given the flight--no space venture has recieved this much publicity since the apollo missions, won't rattle their guys.