

## Chapter 1 : Senkan Battleship and Junyokan Cruiser Troms Bibliography

*The Pacific War series from Gakken are devoted to land, sea and air -vehicles and equipment used during at the pacific theater during WWII. The naval-titles are highly regarded by IJN modeling-enthusiasts as a fantastic source of information of Japanese IJN ships.*

The Gakken Pacific War Series is a venerable and highly-respected line has been in print for decades and is currently up to almost seventy volumes. The more current ones are relatively easy to obtain but the older ones, such as this one, are somewhat more difficult to find, especially in such great condition. For those of you new to the Gakken Pacific War Series, this page, 7 x 10 inch softcover with dust jacket published offers the typical Gakken Series format: Text is in Japanese with very limited English language captions but it remains a fantastic source of information. These older Gakkens are becoming increasingly difficult to find, and ones in this condition are even rarer. Regardless of where you are in the world, buy with absolute confidence from a well-established eBay merchant with a sterling reputation. Hawaii residents pay 4. We wrap your purchase in bubble wrap or tissue, and then protect it with clean, sturdy cardboard to ensure that it arrives in the same condition described in the listing. We mail promptly and send you the tracking number when your purchase is mailed. Check out our feedback " we take pride in our high customer satisfaction rate. We invite you to look at our other items for sale or visit our eBay store. Make multiple purchases, combine shipping and save money! The United States Postal Service now has four sizes of flat-rate boxes which we can use to save you money on shipping. We have extensive experience with foreign buyers and welcome your business. You will pay discounted shipping and insurance costs and pay by Paypal. Your discount will be equal to the free shipping value for U. Email us for discounted shipping costs for your country or for any other questions. If you are the winner, we will send you the shipping costs for your country. Import duties, taxes and charges are not included in the item price or shipping charges. These charges are normally collected by the delivering freight shipping company or when you pick the item up " do not confuse them for additional shipping charges. We do not mark merchandise values below value or mark items as "gifts" - US and International government regulations prohibit those actions. We are committed to make your transaction as smooth as possible, and if you are not happy with your purchase for whatever reason, contact us and we will work something out. Your satisfaction is guaranteed and returns are accepted. Postage and handling This item can be sent to Germany, but the seller has not specified postage options. Contact the seller- opens in a new window or tab and request a postage method to your location. Please enter a valid postcode. Kailua, Hawaii, United States Posting to: Worldwide There are 1 items available. Please enter a number less than or equal to 1. Select a valid country. Please enter five or nine numbers for the postcode.

### Chapter 2 : IJN MYOKO CLASS HEAVY CRUISERS NACHI HAGURO ASHIGARA Gakken Pictorial 27 Bo

*title ija type 1 fighter, ki hayabusa pictorial book, gakken rekishi gunzo #52 description japanese pictorial book, gakken rekishi gunzo series focused on imperial japanese army type 1 fighter nakajima ki hayabusa (oscar).hard to find detailed wartime photos, scale drawings and illustrations.*

Compiled by Robert D. The Year that Doomed the Axis. Yamamoto and the Imperial Navy. Air Force Historical Foundation. James Parton and Co. Naval Institute Press, The Lost Ships of Guadalcanal. Belote, James and and William. Titans of the Seas. Return from the River Kwai. Simon and Schuster, Calvert, James F, VAdm. The Archeology of the Atomic Bomb: Department of the Interior, National Park Service, Illustrated Encyclopedia of the 20th Century. Fluckey, Eugene B, RAdm. University of Illinois Press, The Battle That Doomed Japan. The War in the Pacific: From Pearl Harbor to Tokyo Bay. The Diary of Admiral Matome Ugaki University of Pittsburgh Press, Grider, Capt George with Lydel Sims. Hailey, Foster and Milton Lancelot. Guadalcanal - The Carrier Battles. The War at Sea, Blue Skies and Blood: The Battle of the Coral Sea. War in the Central Pacific. The Japanese High Seas Fleet. The End of the Imperial Japanese Navy. Warships of the Imperial Japanese Navy, Japanese Cruisers of the Pacific War. The Battle of the Komandorski Islands. Armada in the Pacific. The Japanese War Machine. The Naval Air War, The Cactus Air Force. The Battle of Savo Island. Orita, Zenji, Joseph D. The Great Sea War. Navies of World War II. The Forging of an Air Navy. Chronology of the War at Sea The British Navy at War, War in the Boats: Fall of the Philippines. Imperial Japanese Navy Aces Osprey Aircraft of the Aces No. London, Osprey Publishing, Anatomy of the Ship: Conway Maritime Press, Eagle Against the Sun. A Glorious Way to Die. Little Ship, Big War. Naval Institute Press Sulzberger, C. Pearl Harbor and its Aftermath. Battle of the Java Sea. The Fate of the Chikuma and Chokai. Warship International, Vol No. Campaigns of the Pacific War. Van Der Vat, Dan. War under the Waves. The Road to Tokyo. Battleships of World War Two: Arms and Armour Press. Arrow Books Ltd, The British Navy in the Pacific, The Battle for Leyte Gulf. New York, McMillan, Yoshimura, Akira and Murphy, Vincent. Requiem for Battleship Yamato. University of Washington Press, Whole View of Pacific War. Bunshun Bunko Bijuaruhan, Shashin Nippon no Gunkan. The Imperial Japanese Navy, Vol. The Japanese Battleship Story. Minakami Kazuo and Naito Tomohiko. The Champions of Etajima. Nagato Class Battleships Nishida Hiroshi. Imperial Japanese Navy at [http: Ships of the World magazine](http://Ships of the World magazine) , August Senkan Yamato no Rekidai Kancho-tachi. Taiheiyo Senshi Shiriizu, Vol. The Mutsu Blew up!

### Chapter 3 : IJN BATTLESHIP YAMATO II PICTORIAL BOOK GAKKEN PACIFIC WAR SERIES #20 JAPA

*ijn battleships, pictorial book, gakken rekishi gunzo #5 DESCRIPTION JAPANESE PICTORIAL BOOK, GAKKEN REKISHI GUNZO SERIES FOCUSED ON IMPERIAL JAPANESE NAVY [www.nxgvision.com](http://www.nxgvision.com) TO FIND WARTIME PHOTOS AND DETAILED ILLUSTRATIONS.*

Kailua, Hawaii, Ships to: The Gakken Pacific War Series is a venerable and highly-respected line has been in print for decades and is currently up to almost seventy volumes. The more current ones are relatively easy to obtain but the older ones, such as this one, are somewhat more difficult to find, especially in such great condition. For those of you new to the Gakken Pacific War Series, this page, 7 x 10 inch softcover with dust jacket published offers the typical Gakken Series format: Text is in Japanese with very limited English language captions but it remains a fantastic source of information. These older Gakkens are becoming increasingly difficult to find, and ones in this condition are even rarer. Regardless of where you are in the world, buy with absolute confidence from a well-established eBay merchant with a sterling reputation. Hawaii residents pay 4. We wrap your purchase in bubble wrap or tissue, and then protect it with clean, sturdy cardboard to ensure that it arrives in the same condition described in the listing. We mail promptly and send you the tracking number when your purchase is mailed. Check out our feedback " we take pride in our high customer satisfaction rate. We invite you to look at our other items for sale or visit our eBay store. Make multiple purchases, combine shipping and save money! The United States Postal Service now has four sizes of flat-rate boxes which we can use to save you money on shipping. We have extensive experience with foreign buyers and welcome your business. You will pay discounted shipping and insurance costs and pay by Paypal. Your discount will be equal to the free shipping value for U. Email us for discounted shipping costs for your country or for any other questions. If you are the winner, we will send you the shipping costs for your country. Import duties, taxes and charges are not included in the item price or shipping charges. These charges are normally collected by the delivering freight shipping company or when you pick the item up " do not confuse them for additional shipping charges. We do not mark merchandise values below value or mark items as "gifts" - US and International government regulations prohibit those actions. We are committed to make your transaction as smooth as possible, and if you are not happy with your purchase for whatever reason, contact us and we will work something out. Your satisfaction is guaranteed and returns are accepted. Super high amount of views.

### Chapter 4 : IPMS Kit Review: Hasegawa 1/ IJN Ise

*The Pacific War series from Gakken are highly regarded by IJN modeling-enthusiasts as a fantastic source of information of Japanese IJN ships. Although the books are written in Japanese, they contain enough visual information to be of invaluable help for a non-Japanese IJN modeler.*

Kailua, Hawaii, Ships to: Lots and lots of great photographs and detail throughout. Just look at the accompanying scans and it is apparent how very useful this superb pictorial can be. Text is in Japanese but advanced modelers and naval historians will revel in the level of detail! Buy with confidence from a well-established eBay merchant with a sterling reputation. Hawaii residents pay 4. We wrap your purchase in bubble wrap or tissue, and then protect it with clean, sturdy cardboard to ensure that it arrives in the same condition described in the auction. We mail promptly and send you the tracking number when your purchase is mailed. Check out our feedback " we take pride in our high customer satisfaction rate. We invite you to look at our other items for sale or visit our eBay store. Make multiple purchases, combine shipping and save money! The United States Postal Service now has four sizes of flat-rate boxes which we can use to save you money on shipping. We have extensive experience with foreign buyers and welcome your business. You will pay discounted shipping and insurance costs and pay by Paypal. Your discount will be equal to the free shipping value for U. Email us before the auction ends for discounted shipping costs for your country or for any other questions. If you are the winner, we will send you the shipping costs for your country. Import duties, taxes and charges are not included in the item price or shipping charges. These charges are normally collected by the delivering freight shipping company or when you pick the item up " do not confuse them for additional shipping charges. We do not mark merchandise values below value or mark items as "gifts" - US and International government regulations prohibit those actions. We are committed to make your transaction as smooth as possible, and if you are not happy with your purchase for whatever reason, contact us and we will work something out. Your satisfaction is guaranteed and returns are accepted. WWII , Subject: Super high amount of views.

**Chapter 5 : The Pacific (TV Mini-Series ) - Full Cast & Crew - IMDb**

*ijn battleships, pictorial book, gakken pacific war series #5 japan. \$ + \$ ijn cv taiho, shinano, pictorial book, gakken pacific war series #22, japan.*

Compiled by Robert D. Hackett Revision 10 English Language Sources: Naval Institute Press, Delmar, New York, Privately published by the author. Tempest, Fire and Foe. Submarine War Against Japan. Boyd, Carl and Yoshida, Akihiko. US Naval Institute Press, Hunters and the Hunted. Naval Atrocities of the Second World War. Submarines of the Imperial Japanese Navy The Sinking of the S. The Official Chronology of the U. Navy in World War II. The End of the Imperial Japanese Empire. The Life of Gregory "Pappy" Boyington. A Very Rude Awakening. The Naval Battle of Guadalcanal, November , The Story of the Japanese Submarine Fleet. Stein and Day, Jones, Terry and Carruthers, Steven. Shelling of Australia by Japanese Submarines Sorties of Various Kaiten Groups. Midget Submarines of the Second World War. The Netherlands East Indies, Norwegian Merchant Fleet, Model Hobby and Trojca, Lockwood, Vice Admiral Charles A. Hellcats of the Sea. Air Combat from Pearl Harbor to Midway. Mair, Michael with Joy Waldron. University of Oklahoma Press, Orita Zenji with Joseph D. War Beneath the Sea. The Transpacific Voyage of H. July to January The Untold Story of the Battle of Midway. U-Boats in the Indian Ocean. The United States Asiatic Fleet. German, Italian and Japanese Submarine Successes, U-Boat Far From Home: Australian Defence Force Journal No. The Diary of Admiral Matome Ugaki University of Pittsburgh Press, Submarine Operations, December April The Story of Wolfgang Luth. Warner, Peggy with Sadao Seno. Knights of the Sea: World War 2 Fact Files. Arco Publishing Company, Warship International, Vol No. Escort Carriers Against Japan. Yokota Yutaka with Harrington, Joseph D. Kojinsha NF Bunko, Zokan Tekunoroji Kaihatsu Monogatari. Fukuda Takeshi et al. Their Post-war Activities and Final Disposition. Maa, Bo no Tsuzurikata: Hon no Fukeisha, Isen Funsenki The Battles of I I Kito-seri I Returns. Gakken M Bunko Submarine I Is Heading West! Tokyo, Kojinsha NF Bunko, Kaitei , Kairi , Miles Under the Sea. Itakura Kyoko with Norioka Kataoka. Konada Toshiharu with Norioka Kataoka. Tokko Kaiten-sen The Kaiten Battles. Kaiten Gunzo Kaiten Pilot Records. Tetsu no Hitsugi Iron Coffin. Maboroshi no Sensui-kubo Phantom Submarine-carriers. Hokuto Homen Kaigun Sakusen. Naval Operations in the Northeast Area Tokyo: Boeicho Boei Kenshujo Senshishitsu, Sensuikan-shi The History of Japanese Submarines. Nippon Kaigun Kantei Shashinshu. Japanese Naval Warship Photo Album. Submarines and Submarine Depot Ships. Kure Maritime Museum, Etajima Kyoiku Education at Etajima. Kojinsha NF Bunko Senshi no Shogenshatachi Witnesses of War. I-Go Sensuikan Type I submarines. Sekai no Kansen Ships of the World No. Gakken Pacific War Series: Totentanz der sieben Meere. So war der U-Boot-Krieg. Japans letzter Einsatzmittel zur See: Die Schlacht bei den Santa-Cruz-Inseln. Die erfolgreiche Fahrt des japanischen U-Bootes I

*ijn type 1 attack bomber mitsubishi g4m betty, pictorial gakken pacific war series #42 august 12,*

For me the color artwork alone makes it a valuable addition to my library. Shoker, is an outstanding reference for the ship, which provides the exact type of coverage essential to the modeler. All Showboaters should have this volume in their library. The Camouflage of Ships at Sea, T. WEM reproduced the original but in a larger format. Beautiful color plates and line drawings further enrich the volume. This volume provides an inexpensive source for any modeler wishing to add further detail to any model of North Carolina or Washington. The coverage includes commercially available models, historical pieces, extensive CAD diagrams of ordnance, modeling tip articles and of course ship model reviews. Each issue includes a bonus insert. Usually this is a set of plans but at least one special issue came with a bonus card model of a destroyer. That leads to another significant feature of this magazine. There is an approximate even division between reviews of card models and reviews of resin and plastic models. In one source you will have an English language volume that has the design history, modifications and operational history of each ship in the class. Shoker - Many of you may be familiar with the first technical reference written by Randall S. Oxford Museum Press has just published the second technical reference by Mr. Through text, photographs, drawings and maps, this title takes you through the operational history of the ship and looks at the systems, superstructure and fittings of the Massachusetts. An added bonus comes in the form of a full 1: In this volume is found gorgeous color plates commissioned specifically for the title plus period photographs, engravings and lithographs. Coverage is of all of Union river ironclads from the famous Eads City Class to a series of bizarre grotesqueries of the oddest appearance. This was a pivotal event in World War One because it definitely moved the United States to a pro-allied position. The event also caused the German government to stop its unrestricted submarine warfare campaign against Great Britain. When the campaign was resumed, the United States entered the war. David LaPell reviews the page Lusitania: An Epic Tragedy written by Diana Preston. Although the design was better than the preceding K Class, it still suffered hull weakness that would plague it in its career. Active at the start of World War Two, her operational career was almost totally curtailed after receiving two torpedoes in December , which destroyed her forward engine rooms. With text in English and Polish, with plenty of photographs and with 14 pages of detailed line drawings, the title has almost everything the modeler will need to know on this cruiser. The title also comes with three separate three-page inserts. One is a full color plate of Leipzig in 1: Review by Steve Backer. Written by Przemyslaw Federowicz, the title features a wealth of information for the modeler on Scharnhorst and Gneisenau. Displacing 11, tons full load, this large cruiser was lightly armed with only six 6. However she was not designed for surface action. She was designed to be the flagship of a submarine squadron. The aft half of the ship had a hangar and facilities for operating six floatplanes. These floatplanes were to serve as reconnaissance for the submarines. Targets would be found by the floatplanes and the submarines would be vectored to intercept. However, the theory did not pan out in operations. Each volume features extensive drawings, photographs and charts. However, the major feature is the inclusion of a great number of photographs of a very large scale model of the subject. Tom Kristiansen looks at one of these volumes, Ise Class Battleships, volume 26 in the series. No question about it, there are Blue Carriers. Sea Bag of Memories: Reviewed by Steve Backer. Sevastopol Class - Started in the four battleships of the Sevastopol Class were to be the first step of Imperial Russia in making good the losses of the Russo-Japanese War. Built for the Baltic Fleet, the class as a whole fought in both world wars. The volume is 88 pages in length and comes with three back printed 1: Click here for a listing of books useful to modelers of 20th century Royal Navy ships Click here for an American Civil War Naval bibliography , reviewed by Steve Backer. Among other articles on WW2 topics is the first installment on the German battlecruiser Gneisenau. As usual topics cover a wide range of naval history. The title has photographs, color plates and two back-printed Plans and Profiles. Although written in Polish, the title has photos, drawings, color plates and five separate 1:

**Chapter 7 : Sensuikan Submarine Troms Bibliography**

*Volume 5 in Gakken's "Pacific Theater" series contains chapters on the battles for Port Moresby, Guadalcanal, Attu, the Solomons and more. All text is in Japanese. Softcover with dust jacket.*

It is believed that this artifact originated from a Japanese aircraft carrier sunk at the Battle of Midway. Extensive usage was made of both English-language and Japanese sources in support of this effort. The results of the analysis demonstrate conclusively that the wreckage originated from the Japanese aircraft carrier Kaga. Specifically, it is composed of two 25mm anti-aircraft gun tubs, and their associated gallery structures, that were located on the forward end of the starboard aft starboard quarter machine gun gallery of the vessel. The second portion of the analysis, which deals with the circumstances surrounding how and when the wreckage was created, is less conclusive. Nevertheless, we believe that the event probably occurred sometime between U. Introduction Recently, Nauticos has discovered a significant piece of wreckage on the ocean floor off of the island of Midway. From all appearances, the artifact originates from one of the four Japanese carriers sunk at the Battle of Midway in June. This is a tremendously important find to the historic record. Nauticos intends a follow-on expedition to the Midway battlefield shortly. At such time they hope to locate the ship from which the wreckage came. In support of this expedition, it is important to positively identify the wreckage found thus far. Analysis Goal The goal of this analysis is to positively identify the ship from which the wreckage came. On the basis of the photographic evidence to hand, we believe that this analysis conclusively achieves this primary goal. Secondly, the analysis seeks to lay out a theory regarding how and when the artifact was created, and how it ended up on the seabed in its present state. In support of this objective, we believe that general comments can be made as to its origins, but gaps in the historic record prevent us from conclusively determining the exact timing and circumstances surrounding the creation of the wreckage. Analytical Approach This analysis builds on the work performed in our earlier Preliminary Analysis document, dated December 6. However, in contrast to the earlier document which compared a textual description of the wreckage against every available gun tub aboard the three ships, this analysis is more descriptive in nature. We seek to recreate the thought processes and arguments that led to the final identification of the wreckage. We rely primarily on the photographic evidence made available from Nauticos, as well as photos, line art, and models of Japanese warships. As in the first document, only three of the Japanese carriers that were sunk at the Battle of Midway are included in this analysis. Platform Nomenclature Throughout this analysis, the gun tub numbering scheme put forth in the Preliminary Analysis document is used. In this system, gun tubs are referred to by: Shipname-Side port, starboard, or bow -Mount. Japanese Carrier Equipment This analysis centers on the identification of a piece of wreckage belonging to a Japanese aircraft carrier. Most of the identifiable items in this area of IJN carriers are centered on anti-aircraft armament and flight deck operations. This section provides additional details regarding the types of equipment to be found on or near the edges of Japanese flight decks and in the AA galleries adjacent to them. Heavy Anti-Aircraft Armament These weapons were used to engage enemy aircraft at longer ranges. Japanese fleet carriers typically carried between 12 and 16 such weapons, universally in twin mounts. Such mounts were usually sponsoned out from the side of the ship, with a heavy tapering cylindrical support structure beneath the mount. Typically, such mounts were incompletely shielded, and usually only carried light sheet metal across their fronts to protect the crew from splinters. However, both heavy and light AA weapons, and their associated fire-control equipment, were fully enclosed when mounted on the starboard quarter of the ship, in order to protect the crew from boiler gases emanating from the downswept funnel. This feature is true for each of the four Japanese carriers lost at the Battle of Midway, except for Akagi, where the rearmost starboard 25mm mounts were left unshielded. Single barreled mm AA mount aboard a heavy cruiser. Standard dual mm AA mount. Akagi, however, still retained the older weapon, despite her refit. Light Anti-Aircraft Armament The standard Japanese light anti-aircraft gun was a 25mm weapon, originally developed by the French firm Hotchkiss and produced by the Japanese beginning in . It came in single, dual, and triple-barreled configurations.

**Chapter 8 : IJN FIGHTER MITSUBISHI A6M ZERO, PICTORIAL BOOK GAKKEN PACIFIC WAR SERIES**

*Our History. The rich history of Gakken started in , as part of Japan's post-war nation-building efforts. The idea was to rebuild Japan starting from educating the young.*

These two ships was constructed during WWI and is clearly inspired by british battleship-design. They were meant to be the third and fourth ships in the Fuso-class, but delays and improvements in the Fuso-design lead to the design beeing altered. Thus a new class was born which had the 3. The book is softbound with a dust-jacket. The photo document shows the evolution of the class with closeup photos of the superstructure. Some of the photos are taken from the US bombers that crippeled these two sisters. The sisters settled in shallow water and thus it was possible to inspect the damage inflicted. The photos from this inspection are quite interesting but a pretty sad sight. Most of the superstructure intergrity are intact, but with horrible wounds. The line drawings are good and show the rigging in detail. The model depicts Ise as in The detaillevel of the model are quite stunning, but some minor bends and twists in the rigging and railing can be seen. These photos are sharp and an excellent source for modelers. The model is superb detailed and would ensure inspiration for additional details to add to a ships-project of this class. The history-section shows some of the ship-designs that inspired the design of this class. Some small line drawings of other ships as well as early Ise-design are included. A large drawing of Hyugas brigdestructure is very useful for seeing the small differences between Hyuga and Ise. Details such as 25 mm cannons and searchlights are ommited in these drawings in this section in order to see the superstructure-details better. For those who can read Japanese, this book must be a fantastic source of information. For us others it still is a magnificent source of visual information in the understanding that an image says more than words. Let us hope that these fabulous books someday will be translated to english so IJN-enthusiasts could fully benefit from them.

### Chapter 9 : faatestbook | eBay Shops

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After the disastrous loss of carriers at Midway in June, , all ten older IJN battleships were considered for conversion into carrier hybrids in order to quickly bring planes to sea. A complete conversion, removing all guns and installing full length flight decks and hangars, was planned, but never carried out. The Nagatos were not modified since their 16 inch armament was needed in case of a big-gun engagement. The new battleship Shinano was converted into a carrier, but because of time and scarcity of labor and materials, only the Ise and sister ship Hyuga were refitted as quasi-carriers BBCVs , with a minimum of effort. The Ises were chosen over the older Fusos because Hyuga lost X turret to an explosion in May , and the X and Y turrets of this class were unable to be modified with higher elevations, and thus, the slightly newer Ises were considered inferior to the Fusos in a long-range gun battle. So the Ise and Hyuga were refitted in with a short aircraft handling deck over the quarterdeck over a hangar with a T-shaped lift. Two large catapults were installed, a very slow and inefficient method of launching multiple planes. The aircraft deck had an 8 inch layer of concrete to replace the ballast lost from the 14 inch turrets. It would take 30 minutes to launch all aircraft in theory, but reality forced designers to substitute Aichi E16A Zui-un Paul attack floatplanes for some of the Judys. Ise was sunk in harbor in shallow water at Kure in late July by US carrier aircraft, and broken up at Harima in Ise never operated aircraft in action. Certainly, these hybrid battleships have captured the interest of modelers as they are unique and odd, and have been favorite, but complicated, subjects for modelers for many years. The Kit Hasegawa combined their previous rework of their old Ise kit with a new bottom hull, display stand, photoetch set, weapons sprues, metal propellers and brass main gun barrels. The kit appears to depict Ise after September presence of rocket launchers at stern , so this kit depicts her at the Battle of Cape Engano in October except for missing flight deck 25mm single guns, which are not included in the kit. The kit comes in a box twice as deep as usual in order to hold the extra parts. The box art is a photograph of a completed model with all the photoetch and metal parts unpainted, to show you what the extra features are and where they go. The photoetch parts make a big difference, and the full hull satisfies those who prefer them. Like the earlier kits, this one uses the parts from the original battleship version, and simply adds new parts on top of the original version to convert the ship into a BBCV. While this approach provides for efficiency for the model maker, it is not an ideal way to engineer this complex hybrid. I must say that this kit has been well engineered in order to make the conversion as easy as possible, and succeeds in doing so. Although the decks have adequate details molded on, the vertical sides of superstructures do not have doors, portholes or other fittings. Thus, this kit is suitable for super detailing. The Instructions cover one large sheet of paper, and are devoted to subassemblies, with 13 steps. Instructions are clear as to what needs to be done to kit parts, and leaves the timing of assembly up to the modeler, which I prefer. Be sure to inspect the Instructions carefully for modifications that need to be done before assembly - the upper hull sides need some work opening holes and filling portholes, best done before any painting or assembly. The rear deck needs some sanding in order to fit the elevator. Another pre-assembly event is attaching the main gun turrets with retainers so they can rotate. After decks are glued in place, access to the undersides is blocked. If you miss out and do not add turrets until after the decks are in place, you can always drill a hole in the unseen portions of the deck to attach the retainers. Also, consult the guide to see which parts are not used - the kit sprues and extra weapons sprues will leave many parts for the spares box, always appreciated. The instructions show both regular and photoetched pieces so you can choose which you use although photoetch parts win hands-down all the time. As usual, I first removed parts from sprues and sanded them. Plastic parts were crisply molded with almost no flash, requiring little cleanup. Next came airbrushing the numerous plastic parts and the photoetch sheet both sides! Subassemblies included the hull bottom, main decks, hangar section, bridge, main gun turrets, stack, AA guns, rear superstructure, mainmast, railings, boats, planes and flight deck. In general, I used Tamiya Extra Thin

Cement for large pieces such as hulls and decks, and cyanoacrylates for everything else. Cyanoacrylates or epoxies are required for adhesion of photoetch and metal parts to plastic. Assembly of the hulls upper and lower is facilitated by inserts that keep them in proper shape. Parts fit well, but some seams are obvious. The worst offenders are on the boat deck and around the flight deck bulges. I did not do anything special to fill or alter them, so you can see what will transpire. I did fill and sand the complex seam formed at the bow of the bottom hull since it was so obvious. The seams are in awkward places and difficult to sand, but most are hard to see under the flight deck overhang. Photoetch parts were easy to remove from their sprue and folded easily without breaking. The bottom hull was assembled sans propellers and airbrushed with Tamiya Hull Red, thinned with Tamiya Acrylic Thinner. The main hull was assembled but decks not added until after the wood decks were painted. A drafting pen was used to fill portholes with black color. Removal of deck objects at the stern as indicated by the instructions is necessary for proper fit of the flight deck elevator. The extreme rear of the deck is visible under the flight deck, so be sure to paint it IJN Linoleum and Kure Gray and wood color. I decided to paint the wood decks by hand since there were many molded-on fittings - much easier to paint around the fittings than to mask many tiny fittings for airbrushing. Using a brush with a fine tip, I painted individual planks by letting the thinned paint flow by capillary action to desired lengths. This requires a steady hand and patience, but prevents a monotonous-looking deck. Use additions of White to the base brown in order to have planks of differing colors, and randomly paint various lengths of planking. The deck looks much more realistic after individual planks are highlighted. After painting and addition of main turrets, the decks can be added to the hull. The hangar and flight deck subassembly was done after the decks were added to the hull, and before other subassemblies added. Although the instructions say to paint the deck a lighter shade of grey, and paint the rails silver, I used the same Kure Grey to airbrush to flight deck, but kept it to one thin coat, which turned out to look lighter. The rails were blackened with weathering powder, more realistic instead of a parade-ground shiny silver look. I had to add metal rod posts for the catapults in order to attach them to their supports - I did not see any posts in the kit. The photoetch catapults are excellent and the proper larger size. The bridge assembly looks complex, but goes together well if you start from the bottom. Paint the bridge decks IJN Linoleum before assembly - much easier that way. I used a drafting pen to blacken the windows, but the photoetch set has pieces to replace the molded windows they look like ladders for you advanced modelers. For the main turrets, take care to remove the proper molded on ladders and make holes to attach rangefinders and gun platforms, as per the instructions. The plastic barrels for the main gun turrets looked fine to me, but the brass barrels are even better. You will have to cut off the plastic barrels and drill holes to accommodate the brass barrels. The biggest advantage of the brass barrels is the drilled-out muzzle, and they are perfectly circular in diameter with the right taper. AA guns required virtually no assembly, but there were many of them. I used a drafting pen with black India ink to color the mm AA shutters and the springs on the triple 25mm mounts. The funnel had a complicated photoetch searchlight platform support structure, but it folded nicely and fit well, and looks much better than the solid plastic counterparts. I assembled the photoetch main mast using a "second hand" ball with movable arms tipped with alligator clips. This allowed juxtaposition of the delicate pieces in the right orientation so glue would bond. I installed the mainmast as the last item to the model because it is very delicate. Boats were painted and windows added with a drafting pen. Railings in this kit are different from other photoetch railings I am familiar with. They use flat plates that are meant to be glued to the deck every few stanchions or so, rather than a continuous bottom rail the norm or only the individual stanchions a nightmare. These railings require a different folding strategy, and in general work OK, but I still prefer the continuous bottom rail style since they are less work and look cleaner. Fortunately, all decks had a border gutter strip to be painted Kure Grey that the railings adhered to, hiding the attachment tabs somewhat. The decks of old battleships had few straightaways and many angles, and that means a lot of folding. The kit railings were designed to be folded at stanchions, and matched the kit, something missing from aftermarket sets - a nice touch. For the complicated angles, cut the railing into shorter pieces - this makes them easier to fold to the excruciating angles needed. I did find that railings with many folds were not quite long enough, and left a few minor gaps no I did not misfold or misapply - they are just a wee bit short. I did not add the very detailed and realistic gangway ladders, as these were removed when the ship was sailing. The

planes are adequately detailed, and the decals for them are first-class. Tail markings, rear gunner guide lines for the tailplanes, propeller warning lines for floats and roundels with white margins are correctly sized, in register and opaque. There are decals per plane, making aircraft subassembly intricate and tedious. You will have to cut off the spinners, glue the props on and put back the spinners - again, tedious and tiny. I used a drafting pen to blacken the radial engine of the Pauls, and to add radiator openings. When the aircraft are finished, they look marvelous. I did not add wheels to the Judy landing gear stumps because this is a review kit, but this is an option for superdetailers. Simply cut thin slices from a plastic rod like cutting a salami and glue to thinned-down stumps or resort to aftermarket photoetch landing gear. Solvaset was essential to get the tiny decals to settle down. The decal sheet has enough markings for two models, which came in handy when a few decals were destroyed by my handling. Be aware these decals are tiny and not for the ham-handed or impatient. I usually paint roundels and float prop warning lines by hand, but these decals are worth the effort. The photoetch trolleys intended for each aircraft type were not tall enough to clear the props, so I only used them on the catapults. After assembly, I used Weather Systems powders for rust on the hull, and black on the flight deck, stack, and gun barrel tips. Rust should only be on anchor chains, anchors, and parts of the hull not easily reached when underway. On a large ship with sufficient crew, everything the crew could reach was kept chipped and painted and rust-free, especially in the Imperial Japanese Navy on a battleship that did not see much operational duty.