More from the "Children" Assignment

As we wait for the expected flood of stereos (hint) responding to the new assignment, some winners selected in the "Children" assignment remain to be published. It was interesting to see how many people submitted views of children with animals - from dogs, cats and horses to insects. The combination can result in nearly irresistible images, making the selection process difficult and threatening the Assignment page with terminal cuteness. For this issue, the judges revolted and picked views of an entirely different sort, leaving the kids & critters for later.

New Assignment: Hyper!

This includes any stereograph made at greater than "normal" separation. (We'll try to be flexible here, since normal for paired cameras on a bar could be five inches, while normal for a close-up could

(Continued on page 30)

"Sean With Sparkler" by Ron Labbe of Boston, MA shows what can be done with a careful combination of flash and time exposure. This July, 1990 color transparency avoided easy temptations like overfilling the image with streaks or taking the picture from half a block away.

IN THIS ISSUE

George Lewis: Keystone's Last Stereographer .................. 4
by Walter Lewis

Catching Stereo in the Internet .................. 32
by Martin Simon

Gifts Enrich Holmes Library Collection .................. 35

POV: Affordable Computer Generated Stereoscopic Images .... 36
by John E. Williamson

REGULAR FEATURES

Editor's View Comments and Observations, by John Dennis .......... 2

Letters Reader's Comments and Questions .................. 3

NewViews Current Information on Stereo Today, by David Starkman & John Dennis .... 26

View-Master Information on the Real World, by Wolfgang & Mary Ann Sell .... 28

3-D Treasures A Treasure Chest of Rare 3-D Discoveries, by Ron Labbe .... 31

The Society News from the Stereoscopic Society of America, by Norman B. Patterson .... 34

Calendar A Listing of Coming Events ................. 37

Classified Buy, Sell, or Trade It Here .......... 38

ON THE COVER

Keystone stereographer George Lewis in Africa in 1930 – possibly at Fort Eshowe in Natal where he abandoned a shocked representative of the South African government to spend a night on his own in a Zulu village, attending the wedding of the chief’s daughter. Unlike his cartoon character Gaddo, Lewis had a tiny mustache. An itinerary from the American Express Company itemized 15 changes between rail, river steamer, and automobile travel modes for his photo journey the length of Africa. Our feature “George Lewis – Keystone’s Last Stereographer” by Walter Lewis includes some of the stereos, cartoons and stories sent home to Keystone by George Lewis.
The Last of His Kind

Taking up a profession already on its last legs months before the beginning of a depression may not seem like the best career move in retrospect. But young George Lewis probably had few if any such concerns when he joined the Keystone View Company in August of 1929.

It's likely he knew that Keystone had the shrinking stereograph market to itself after completing the purchase of the remaining Underwood & Underwood negatives in 1922. It's less likely he knew he'd be the last of his kind — a full time, world-roving professional stereographer recording exotic people and places for publication as traditional stereo views by a major company. (Keystone, of course, continued publishing views for some time after George Lewis had left the company but the reorganization and "downsizing" necessitated by the depression reduced both photography and production to a fraction of earlier years.)

Keystone's last stereographer could easily have been a company hack, shooting the standard scenic subjects and waiting out the end. Fortunately, George Lewis performed his job with an enthusiasm, energy and imagination equal to any of his predecessors. In his few years with Keystone he produced an impressive stereo record of the early 1930s that helped Keystone maintain the quality of its images even as the format and the company were fading from the scene. His letters to Keystone's T.N.T. company newsletter promoted stereographs as both product and medium via humorous accounts of his travels and photographic adventures.

Not all of his writing was in the backwoods vernacular self-consciously aimed at Keystone's local salesmen. His notes on Africa reveal a thoughtful fascination with the history and condition of the people and places he had been sent to document. A genuine interest in both the stereoscopic medium and his subjects is evident in his work, which often reveals a fine sense of pictorial composition combined with dramatic stereo impact. It doesn't take a lot of study of his views, drawings or writings to get the sense that George Lewis loved what he was doing and wanted to share the fun he was having. In a note accompanying the text of his article, Walter Lewis concluded, "An interesting person to have had as a brother."

That Feeling of Renewal

If you haven't yet received your NSA membership renewal notice for 1994, please send a card to NSA Secretary Larry Hess, 15358 Kerlin Dr., Granger, IN 46530. If you got the notice but think it's still somewhere in that pile of bills next to the phone book or buried on your desk, start digging! Our 20th anniversary year will include more news and feature articles from more sources covering every aspect of stereo with no increase in fees. 

Explore the World of Stereo Images

Please enroll me as a member of the National Stereoscopic Association. I understand that my one-year subscription to Stereo World will begin with the March/April issue of the current year.

☐ U.S. membership mailed third class ($22).
☐ U.S. membership mailed first class for faster delivery ($32).
☐ Foreign membership mailed surface rate, and first class to Canada ($34).
☐ Foreign membership mailed international airmail ($48).
☐ Send a sample copy ($5.50).

Please make checks payable to the National Stereoscopic Association. Foreign members please remit in U.S. dollars with a Canadian Postal Money order, an International Money Order, or a foreign bank draft on a U.S. bank.

Name

Address

City State Zip

NSA National Stereoscopic Association
PO Box 14801, Columbus, OH 43214
The Only National Organization Devoted Exclusively to Stereo Photography, Stereoviews, and 3-D Imaging Techniques.

November/December 1993 STEREO WORLD
Dr. Hall's Esquimaux

I received quite a shock when I free-viewed “Dr. Hall’s Esquimaux” on page 24 of the July/August 1993 issue. First, there was a strange white “glare” in the picture. I also found some other “misplaced” parts in the picture. A second look at the two sides of the stereogram revealed that the white cloth on the lap of the biggest Eskimo woman was quite differently arranged in the two pictures. Further examination showed that some of the children had moved their heads. This, of course, resulted in weird displacements of depth. This was especially obvious in the child on our left. Her head appears further back than the body.

Sol Steinberg
Myrtle Beach, SC

Who is trying to fool whom?
That pair of pictures at the bottom of page 24 is not a stereo pair.
Richard Orr
Omaha, NE

The view in question by I.A. Coombs is an actual, untransposed stereo pair printed from an uncut stereo negative. Note that the print is on a single piece of paper with only the shadow of the septum in the camera to separate left from right. If you “cross-eye” view it, you will notice that the chairs under the people at the ends of the group appear in normal 3-D. If the camera was a two lens stereo camera, there was obviously a big sync problem with the shutters. My guess is that it was a single lens, sliding front camera designed for sequential exposures but certainly not families with children.

- Ed.

Revisionist Lexicography?

Your readers may be interested to learn that Merriam Webster’s Collegiate Dictionary, Tenth Edition, © 1993, published by Merriam Webster Inc., PO Box 281, Springfield, MA 01102, lists stereoscope as a synonymous cross-reference for stereopticon. Finally, the record has been set straight.

Jeffry Mueller
Eldersburg, MD

If you have comments or questions for the editor concerning any stereo-related matter appearing (or missing) in the pages of Stereo World, please write to John Dennis, Stereo World Editorial Office, 5610 SE 71st Ave., Portland, OR 97206.
Besides photographing the world for Keystone in the 1930s, George Lewis provided a steady stream of travel notes, drawings and poetry to the company's T.N.T. newsletter. Most of these were in the form of chatty, humorous letters to "Nusie Susie" informing Keystone's sales force of interesting views soon to be available and offering his homespun encouragements to the staff of the last surviving stereograph publisher in the "depths" of the depression. Excerpts from several letters are included with the article as well as some of the drawings that accompanied them.

Using a stylized "western/hick" vernacular (complete with misspellings, malapropisms and puns) he often wrote about the discomforts of travel and photography in strange places, with occasional swipes at bureaucrats and foreign customs. His comments could range from corny to paternalistic, but seldom approached the smug and superior attitude expressed by some other travel writers or by some earlier stereographers.

Lewis signed his letters "Gaddo" and sketched himself as a short fellow with a huge, drooping mustache, usually wearing a bowler hat. He named the tools of his trade and made them companions in his written adventures. His stereo camera was Kleppie ("Short for kleptomaniac – he's been taking everything in sight lately.") and his Keystone telebinocular stereoscope was William (for William Telebinocular). His Ford became 'Ole Auto Focus. Kleppie's focusing cloth didn't get a name, but did "write" an illustrated account of the many insults suffered during a day's work with Lewis.

Except as noted, the stereographs, photos and drawings reproduced here are from the collection of author Walter Lewis, George Lewis' brother. Many of the views are Keystone proof prints saved by George Lewis, only some of which were eventually published. Others are on Keystone mounts but lack any title on the front or text on the back, and may have been for internal distribution or for gifts to specific people. Others, like the Zeppelin view, were to become some of the most successful images to appear in the final years of commercial stereograph publication in the classic print format.

Along with Walter Lewis, our thanks go to NSA member Howard Taylor for helping make this article possible.

- Ed.
George K. Lewis was the last of the generation of professional stereoscopic photographers who had for many years examined the world and brought into the parlor the popular pictorial travelogues of that day.

George was born in Mesa, Arizona in 1902. His father was a farmer-rancher who homesteaded in that arid area in the 1890s and helped build the first irrigation canals. His mother was a teacher from a pioneer community of northeastern Arizona. After he had finished his public schooling, he was sent for two years at age 16 as a proselytizing missionary for his church into the states of Montana and Washington. Upon his return he enrolled at Brigham Young University, where his mother had graduated. He acquired from his mother her hobby and skill in photography, and with his natural artistic talent he became the activity photographer for the student body. A second hobby was raising two cougars (the school mascots) which had been captured as cubs in the Grand Canyon area and which he "handled" long after they reached maturity.

During his summer breaks, George was employed by the Union Pacific Railroad as a bus-

(Text continues on page 8)
THE KEYSTONE TRAVEL SYSTEM

Amillion records of travel experience
Amillion dollar sales organization
Amillion dollar Company
Amillion dollar Business in Dept. A-Our Goal

Issued frequently and circulated
"for the general good among the men
of the Sales Organization by Dept. A
of the Keystone View Company, Meadville, Pa.

A high class Sales Organization - Selling
A high class Product - In
A high class way - Direct to
A high class of Customers

With a printed cover under this logo,
Keystone's T.N.T. newsletter was published as often as once a week from
the late 1920s to the early 1930s to inform and encourage the Sales
Organization. Most of the existing samples in the NSA Holmes Library
collection consist of mimeographed pages inside.

Lewis traveled the length of Africa from Cape Town to Cairo,
writing at length about his impressions and making numerous
sketches along with views like this of a mother preparing food
in a large bowl.

"Gate of the Old Cairo Wall, Haret-el Yahud Section of Cairo." With its
built-in arched top, Lewis composed an almost story-book view with overtones
of both a Sinbad tale and a 1930s spy movie. (KU 96309)
Gaddo got all hot and bothered this morning at 9:42 A.M. I had to corner him and remind him that the T.N.T. was going to press in ten minutes for twelve o'clock distribution and that he had so consistently evaded me all week that unless he spoke then or rapidly that another obituary--this time sombrely paneled--would go on page 13 and that if enough people approved, steps would be taken to make it a bonafide one for the following issue.

"Go away, woman," burst forth Gaddo, "and peddle your pungent press reports, don't you see that I'm elbow deep in the suds here trying to clean up a few of my own troubles? And what's left to tell 'em anyways?"

"My only counter was calm--"Every reader of T.N.T. will miss you, Gaddo!"

"Miss me? Yeah! That's watcha said when I went away, but what's the fun of bein' missed if you can't stay aroun' n enjoy it?"

"Only five minutes, Gaddo," I plead. "No'm!"

"Why don't you start at the beginning and tell about the whole trip as you took it?" I suggested.

"I'll write you a letter about it."

"Oh, Gaddo!"

"Why don't you publish those letters I did write you?" he growled.

And that was an idea that saved the day. Here's number 1.

The series of "Nusie Susie" letters Lewis sent during his international travels was kicked off with this typical mimeographed page in a June, 1930 T.N.T.
Norway, September, 1931

Dear Nusie Susie:

[Lewis arrived in Norway during a national labor dispute which had closed all state industries including the breweries.]

...Norway has a different use for water, capitalizing on there glacier and storm supply that seldom falls. Clever folks these Norges - they've turned there streams over the highest cliffs to make waterfalls to make tourists come to see them to make money for the Norges....

It is no longer possible to get Oslo "01" which in American language would, if sober, be pronounced "been." They put the cross piece on that O so's to give sinking sailors something to grab onto when asking for the seventh bottle. It looks suspiciously like someone trying to run around the bar, but one pronounces it as though the lips was stuck together with rosin, the tongue in position of inspection of the dentours of a disintegrating molar, and the throat in a state of intense anticipation. The resulting sound, if spoken well into the nose and accompanied with the raising of one finger and thumb will be under-

stood. But don't, they tell me, trust Norwegian beverages. Sense all stock now on tap is they oldest they've had for a while, or bootleg, even the Norges finds it too popent, and has to take it with quantities of glacier juice for dilution purposes - an appalling admission for a son of the Vikings to make. No telling what they'll do now that winter's coming down from the Lapland sections and then even water will be a hard drink when it arrives.

In Norway,
Gaddo

---

driver and guide for the tourists to the parks of southern Utah and northern Arizona. In those days of rudimentary transportation, the Union Pacific would disgorge its weekly load of tourists at the dead-end terminal of Cedar City, Utah. There, due to the small, open-air buses, they would be assigned in groups of 12-15 to these young college drivers, who would be responsible for them for the week as they drove over primitive dirt roads through Zion, Grand Canyon, Bryce Canyon and Cedar Breaks.

"Georkee" Joins Keystone

It was a rather arduous and sometimes terrifying experience for these eastern "dudes" to traverse high mountain passes, suffer physical stress because of mechanical breakdowns, and endure disconcerting feelings of isolation in the vast western wilderness. G.E. Hamilton, Vice President of Keystone View Company, was one of these "dudes" who became well acquainted with George during the week of "togetherness," and hired him as a photographer for the company. [August, 1929] As a boy, his relatives called him George K. to differentiate him from his father George W. This name evolved (with the help of the pronunciation of George in Spanish as "Hor-kay") to the nickname "Georkee" by which everyone knew him until his move to the job with Keystone.

(Text continues on page 13)
“Goats and Skyoegggedalsfoss falls, Odda, Norway.” Possibly the same falls seen in Lewis' sketch from Norway. (KU 94786)

Keystone No. 28030, "The Universal Appeal of the Stereograph – Mahatma Gandhi, Mystic and Teacher, Receives Keystone's Photographer at his London Office." A classic image preserved thanks to a bit of stereographic deception on the part of George Lewis.
Gaddo Discourses on a few Spanish Customs

[Lewis became adept at getting his stereographs through tricky situations intact. While this 1930 account predates the Spanish Civil War, tensions between factions in Spanish politics were already high enough to result in paranoia at the borders.]

...I opine as how crashing the gates to get out of Spain was about as comical a spell of inconvenience as any of them furrin' boys ever put me through...

You see, we left San Sebastian — meaning me an' 'Ole Auto Focus, the Ford — expectin' to hit Biarritz in time to hire a table where we could gedunk a few evening croissants in a cup of hot chocolate....First thing we heard was that we was to draw up at the lado del camino an' let the air out of the neumaticos an' toss our baggage out into daylight!

"Porque" I crave to know, rather indignant like...only to be told that all departin' tourists were considered as potential smugglers....By now three soldiers had descended on 'Ole Auto Focus an' made the matter plain. One dived into the camera case an' began feelin' the linin' an'lookin' inside the cameras an' even in the chemical bottles for hidden money an' then announced that I was to open all boxes of fillum for further inspection!

Well, I was took, seein' as how the shade of a Spanish onion tree was the nearest thing to a dark room available, an' when I told them nothin' doin' an' why, seven more soldatos descended on us to bolster up the guardians of the exchequer, and some of them threatened to use bayonets for puncturin' the tires unless I hurried an' let the air out through the valves.

"Caballeros," says I complimentary like and appealin', "I'm innocent, an' I gotta leave your most beautiful Spain, gotta be on my way. Be good sports an' believe there ain't no pesetas in them packets an' may your children all grow up to be president!" It was a fine speech, but it never worked, so to recover the fillums I declared my intention to go back to town where I could develop them so they wouldn't have to be snuk out under cover.

Thus makin' a slick getaway, I headed for the next aduana up in the hills some miles away where I thought I might have better luck or encounter a little less of Spanish Customs. But by the time we arrived it was after normal quittin' hours an' so I got an invite back at nine A.M. — manana. So I basqued in a little hotel that night and deposited myself at appointed time to the mercy of the customs which soon surrounded me with advances and doubts of my chances of gettin' through without losin' my socks, holes an' all! They soon found an' wanted to inspect the cajas pequenas, which would have meant extinction to all the pictures I had of Spain....

While a parley about things ensued, I got in a side conversation with one of the birds I'd bought a cerveza for and who told me I should have gone to Errazu, a little station higher in the mountains without telephone, an' therefore without the latest orders to inspect a man's false teeth an' coat linin', an' where I might get through on a pre-war basis, keepin' air, films, an' pride throughout the proceedin's.

So...I ups an' tells them that I'll have to go back an' buy a new pump if I'm to get any mileage out of my tires after their tamperin' with 'em, an' so we proceeded to Errazu whither we arrives that night after a fitful trip of photographin' an' fixin' a puncture, an' from whence, on the mornin' followin' after a long inspection which stopped short of the openin' of the fillums, we coasted down the French side of the Pyrenees, havin' first given a long, though silent blessin' on all flat-footed Spanish Customs, an', if apprehended, all others.
Dear Nusie Susie:

...One of the cowboys here gets a lot of my telescopin or the other day - the one Henry Ford and Gandy and a few other foremen of note has looked through and he says I can quote him as saying that it'd knock over more of the boys than his six gun and much more harmless. All of which reminds me I ain't told you much about that Tele what started its wild career in Iowa where Jens Jensen woulda sold it if he hadn't come along and needed it for practicing and started it out on a long trip which ain't finished yet. As soon as I saw how that tele knocked out a man's eye just like William Tell shoots apples often small children's heads, I christens him William Telebinocular and calls him William for short.

As soon as William has gone another hundred thousand miles I'm going to suggest him for the museum although they's no signs of wear as yet unless you count a little paint and a badly bend sliding rack, and I'm also wondering if I'd ever get along without William.

William's been a right hand partner in all the countries we've been through including several counties of the Portuguese and has pulled me out a more holes than you could pound sand in and has been the reliabellest and truthfulest and faithfulest interpreter I found on the hole journey. He's the only one too that didn't try to steal my shirt.

When we couldn't crash the gates no other way, William always come forward with the clinching argument to make the plea so we got there. Ford and Gandy and a raft of pictures woulda never been took without him. I recollect Captain Ansolotti who is the prince of all ship captains who had whiskers and a sense of humor both of which he pulled occasionally, but he was never more serious than when he pulled the following:

I had showed him a load of stereos during our trip to Capetown and he never got enough looks. Once when we was going to some places by looking through William, he says to me in his Italian accent when we was through; "Signor Gaddo! Now I need not to leave so long. You have take me to many new places of the world!"

Hoping you are the same,

Gaddo

I've been keeping William well warmed up out here.

Aimed at geography students using Keystone views to illustrate their studies, this issue of the mimeographed KEYSTONE TRAVEL CLUB publication featured an account (minus the "Gaddo" cartoons and vernacular) of an earlier journey by George Lewis. The Tonia mentioned on the cover was a young girl he met on board ship who was fascinated by his stories and stereos from around the world.
Babe Ruth at bat. A similar shot of Ruth appears on a Keystone eye-exercise card, above a reduced version of the view showing Lewis jumping from the pyramid. (See The Unknowns, Vol.20 No.2.)
Dear Nusie Susie:

Jim Porter and me wasn’t the only ones on the run last week when the Cubs and the Yankees convened in Chicago to play out the world’s serious. Hope they was plenty of running, what with six homers in the first game here and thereabouts or more in the second as the Cubs was finely chased into the tall timbers of oblivion by the uncanny New York batsmen.

The Cubs just didn’t bear down heavy enough although they went out with grim determination to win. (Ha, ha, Manager Charlie Grimm would get that one.) But they never had the right system which I could of told ‘em. Ever time they got one of them pitchers so’s he was hittin’ the bat consistently, they jerked him out and tried a new one and you know yourself that that’s a poor piece of headwork. I thought they was going to run out of pitchers, but they kept running the pitchers out and new ones in and before long the hole team was run right out of the pitcher.

But our job was to get some pitchers ourselves, and they was plenty of good subjects. Roosevelt was just back from his western cruise where he took some awful swats himself at some of the fast curves the Republicans has been throwing for the last ten or twelve years. He seems to think that politics oughta be like baseball and let both sides have there innings once in a while.

He finds more base names to call the Republicans than baseball ever put out, and he wants to put a short stop to the hole outfit. So we took a pitcher of him and “his little boy, Jimmie!” Say if that feller’s little, then the Republican is going to win the election. He was throwing out the ball, I mean the Governor himself, and one of the photographers says “Throw it this way.” But he said “I’m afraid I might hit somebody.” He sure must not of spotted any republicans in that direction.

Next we took the Governor of Illinois, and the Wrigleys and Babe Ruth and Gehrig and Jo McCarthy and who not and Joe Brown. Joe had his mouth open so I put the wide angle lens and took the hole thing. That man sure must swallow his pride when he looks in a mirror. But no reflections on Joe. He’s a good scout and liked the looks of a double-barreled camera.

When the game started, things started popping proper, what with Babe stepping up with two on base and pounding out to the bleachers. That feller knocks em more directions than you can find in a stereo graft. But what happened from then is so mortifying to a Chicagoan that I’ll half to refer you to the papers.

But the upshot of the affair is that we find that they’s some missionary work to be done, and here’s where we’ll put the cubs into winning form for next year. As we suspected, the Cubs is all suffering from suspensopia, while the Yankees, ardent fans of third dimension photographs, has learned to see things in there true sense. Therefore they hit and catch and win the world’s serious. Wait until next year. You’ll see the battle carried to the seventh game at least.

Hoping you are the same,

Caddo

George subsequently traveled to many areas of the world, adding thousands of views to the library of Keystone. One anecdote he enjoyed telling related to a photo appointment he had with Mahatma Ghandi. As Ghandi sat on the floor in his white robes, George, to break the ice, brought with him a Keystone Telebinocular viewer with pictures of dignitaries Ghandi might know, so he could see them in full three-dimensional reality. As Ghandi momentarily took the viewer from his eyes, but still holding it near his face while displaying a big smile, George snapped a picture. An aid of Ghandi’s, sensing possible commercial implications, immediately jumped up and protested that he couldn’t permit a picture like that to be taken. George, without hesitation, removed the film carrier from the 5x7 Stereo Graflex, slid open the back cover slide and handed the now ruined film to the protesting aid. The aid, apparently unaware that there are two sides, and therefore two films in a Graflex film carrier, was placated.

One of George’s assignments took him to Capetown, South Africa, from where he traversed that continent back and forth all the way to Egypt, where he arrived just in time to take his most famous stereograph. He climbed to the top of the Great Pyramid at Giza with all his equipment and

(Text continues on page 19)
Luxor, April 17, 
Meet the Focusing Cloth

Favorite Saying: "Heads I Lose."

The more I see of a certain lanky tripod toter the more I wish I'd served my original purpose and become a pair of trousers. I'd rather be on my last legs any day than on this disgusting job.

When that itinerant instigator of woes walked into a little store in Switzerland and finally Frenchified enough to get it over to the attendant that he was in need of a square meter of heavy black cloth to serve as a camera hood for particular work, the thought of travel thrilled me. I was doubly thrilled to become a focusing cloth by seven snipping strokes of the Swiss scissors. The envisioned heaven was not to be realized by a long exposure.

I am not a complainant by nature, but having suffered insult, injury, pain and disgrace at the hand of the unscrupulous slave driver, I am going to give you a picture of a single days indignities! You be the judge.

1st Insult: Was used as a combination banner and leash to speed up a lazy and a laggard beast of burden called a donkey. (This on the way to Tut's tomb.)

Second Insult: Served as a tow-rope to bring up a decrepit Copt to the roof of the Ramesseum.

3rd Outrage: He's one boy who wouldn't be a hero to his Valet. And just think of me! Imagine going into a huddle with a man who can't pass up an Egyptian salad with onions and who never heard of listerning. Not being his best friend, I guess it's up to me to tell him about it...

4th Complaint: When a camel seemed to object to his appearance and objected to having him mount it, I had to serve the role of a blindfold. And of all lousy beasts, the camels claim first place.

5th: Speaking of vain creatures, this Person in question takes the first prize. Today he didn't like the way that the snake charmer was performing, so I got the job of being a turban. Then he had his picture taken with a harmless, docile cobra spitting kind words at him. I suppose he'll have the nerve to send it in for development.

To top the climax of the terrible day, I came home for a little peace tonight and reposed well until about twelve. Then after a rude awakening I got the job of keeping out the glare of the street light. Four thumb tacks stretched me into a position over the lower part of a window just below a blanket similarly humiliated. I wish this were the end, but another day will soon be dawning wherein new indignities will undoubtedly be thought out.

Verily, the life of a focusing cloth has its dark moments, and the future looks just as black...

He said that a hobo stole my predecessor. Some focusing cloths get all the breaks.
Keystone No. 8628, "Photographer Lewis Himself Caught by Camera of Assistant, Celebrating Mohammedan Festival with One-man Pageant George calls The Return of Kufu." Lewis' sometimes paternalistic humor generally appeared only in Keystone's T.N.T. newsletter to the sales force. But his account of jumping down the side of a pyramid made it to the back of this view: "Gather around 'Nile tell you about my trip to Giza...I climbed Cheops. Some climb, that! One needs to be a high stepper...I descended about sunset time. One should be sure not to go down the same way he came up, if he came up head first. The steps range from one and a half to three and a half feet, but you can get down in just one step if you take the wrong one or miss the first one! One of the dragomen called Solomon refused to take any chances but employed toe and fingernail in cautious descent. He almost fainted when I started down goat fashion and yelled for a clear track...He was too far descended from the prophets to have come true to his prediction of needing three camels to pull me out of the base rock of the pyramid." John Weiler Collection.
Lewis' dramatic sense of composition suggests some mystical significance in a pyramid climb that was all in a day's work for these Egyptian guides.

Keystone No. 8632, "The Graf Zeppelin's Rendezvous with the Eternal Desert and the More than 4000-Year-old Pyramids of Giza, Egypt." In his letter accompanying the negatives, Lewis observed: "...on this date the Graf Zeppelin flew over the pyramids of Gizeh. No less a personage than the Keystone photographer recorded the epochal event. The two enclosed negatives...made from the summit of Kufu's Tomb, the Pyramid of Cheops, afford a most fascinating combination and contrast....To add insult to injury of Old King Kufu, I used his tomb for a tee. The 'wee ball' landed as usual in a sand trap." John Weiler Collection.
Dear Nusie Susie:

You can't fool me — even if the Republicans and sinners come out again an' unrepeat platform, they was all wet in spite of the fact they was enough dry speeches some of which never had a word of Prohibition in 'em.

And I oughta know because I was there and I seen 'em although I ain't got it straight yet whether they elected Hoover yet or just denounced him. But maybe I'll find out when the demi crats does there circus acts in the same place and same way excepting noiser, longer and funnier.

And the betting is that two-thirds majority will still hold good with demi crats or Republicans or both if you asked 'em to vote on these here three way pictures.

Hoping you are the same,

Gaddo

“July 30, 1932, Will Rogers at his seat in the press section, Republican Convention, Chicago Stadium.” Lewis covered both the Republican and Democratic conventions for Keystone that year, capturing views of several famous people. Along with Rogers, views of writers Arthur Brisbane and Floyd Gibbons were promoted in T.N.T. (KU 778432976), Keystone-Mast Collection, California Museum of Photography.
Stratford on Avenue, England

Dear Nusie Susie:

...The weather has been damp enough to saturate the soul of a pair of hip boots and me with my porous hide am well nigh drowned what with forty days of rain with the antedoubled, umbrellas for trumps and me holding nothing but the sack. A sun worshiper who comes to this country soon turns atheist!

And then we drives on to Oxford, the University town without a stadium or a raccoon coat, where a lot of American track students — I mean Road scholars broaden there education and there vowels. I met a lot of "dons" and "demya" dere, and all the "Toms" and "St. Marys" and found out that Magdalen is pronounced "Maudlin" so I marked the note down on stereograph number 298....

But it's purty difficult to stay sedimental long or enjoy many of the interesting corners of this country what with Englishmen by the hundreds and Americans by the scores and distressing noises and camera clicks by the thousands. I won't send none of them home with the stereograph.

Now we're packing up to leave Stratfors an' go north as far as Scotland where they say folks is so tight they has to use a monkey wrench to turn them around corners.

Looking out of my diamond paneled window I sees it is still imitating a Sunday evening in Seattle in November, but maybe it'll let up some time. Queen Victoria only rained for sixty years.

Yours,

Gaddo

"Scotland's Romantic Loch Katrine." When this negative arrived, an impressed Keystone management replaced the old Underwood view of the loch in the 600 World Tour (No. 288) with this one by Lewis. The announcement in T.N.T. concluded, "It shows Mr. Lewis' ability not only for replacing the weaker subjects but to improve on the most artistic sculptured paintings of scores of stereoscopic artists."
took a picture of two men in native robes sitting in the foreground, looking across at the Graf Zeppelin flying over an adjacent pyramid. He included a golf club and ball with his equipment and had a helper snap a stereo as he drove off the tallest tee in the world.

Keystone had contracted with writer Carl Sandburg to compose commentaries that were printed on the backs of the views. As Sandburg had not visited all the places where George had taken pictures, the two had to get together frequently to compare notes on what should be said with Sandburg's language expertise. This association developed into a close friendship for many years.

In the 1930s George developed bone cancer and had a leg amputated. This forced him toward more sedentary activities. He became a principle in the Three Dimension Company of Chicago, where during World War II his artistic talent and understanding of 3-D combined in his creation of the "Cones of Fire" series for the Armed Services. This taught pilots how to approach enemy aircraft from an angle which would minimize exposure to fire. After the war his designs helped T.D.C. to become, at the time, the foremost slide projector manufacturer in the world.

After T.D.C. was acquired by Bell & Howell in the early 1950s, George retired to his ranch in a remote canyon of southern Utah, contiguous to Zion National Park. He died in 1975.
Television coverage of conventions was still a long way off in 1932, and Keystone tried to compete with newsreels and magazines by offering superior images in the stereographs of George Lewis. (KU 97865 - T2688)

Keystone No. 33302, “Gossip beside the River Oust Whose Waters Reflect the Castle Josselin, France,” is one of the other published views in which George Lewis appears. The notes on the back of this one combine a brief geography lesson with the promotional note that Lewis’ “two-eyed camera was making picture records in all parts of the world so that wherever there were telebinoculars one part of the world could know much more about the other part than had before been possible. It is very possible that the stereograph in the telebinocular has made real for that woman some scene or place in our country, or perhaps even some place in her own country where she had never been.” John Weiler Collection.
Dear Nusie Susie:

It's a terrible take-down, not to say a dirty trick on a self-respecting photographer to bring him out of the west where he has been commuting with rocks and zephyrs and far-off horizons and toss him into a lions den of Democrats.

But here I am, and sense somebody's gotta be the goat - and no butts about it - here I am and here I'll stick till the fracas is over and they pick out the guy what can tell the worst ones on Hoover.

Well sir, I mean ma'am, starting Monday mornings things went off like a stick of dynamite under a dish pan in a way to make the Republican Convention look like a pale carbon copy. And sense then they sure been stirring things up. If

that convention had a been sour cream, we'd of all been wallowing in buttermilk afore now. Couldn't even keep em quiet long enough to get the first prayer over with. Evangeline Booth took one look at the delegates and prayed for the country. They had a prayer for the start of every meeting after that. Will Rogers - we got his picture too - objected to having most of the preachers readin' there prayers, but then he supposed that it would be hard to think of anything offhand that the Lord could do to help the Democrats.

I've been busier than the Chicago Coroner today trying to sneak up on some of the folks that has come here, but mostly in between times I've been wondering around - wondering what its all about. That puts me in the same class as the delegates at large....

Boy, these feet are sure getting tired supporting me and my camera. I'd like to borrow one of them platforms they're talking about to sit on, only the Democrats is too wet and the Republicans too slippery.

There goes Floyd Gibbons...When you get our picture of him I took yesterday you can let folks know how lucky they are to have two eyes. First have em look through only one at the famous correspondent, and then let the man come to life when they look with two...

Sleepily, discustedly, Democratically
Gaddo

GADDO

SIGNALS

A ½ LEFT

TURN.

BE YOUR OWN

PILOT. HE ADVISES "AND USE

ONLY YOUR

WHIRL WIND

DOUBLE POWER

TELEBINOCULAR"
Somewheres in Nebraska, Leap Year Day

Dear Nusie Susie:

...But first I'd better tell you about where those other smiles are afore we get stranded out west in a snowdrift. Chicago has 'em. I breezed into the Windy City Saturday morning jest in time to be first to hear that Jim Porter hauled off another of his Haul of Famous Weeks in a large way by checking in more'n four thousand sterry grafts what they're gonna see that ever prominent citizen of Chicago gets one too only on his front door and loud enough to be heard! Governor Emerson may be essaying to do somethin' and Cermak mayor may not straighten things out for Chicago, but regardless of nay releaf, that gang's all set to knock Old M. Depression for the well-known loop. No spring fever's got into that bone although springs blossomed into full bloom.

Hoping you are the same,
Gaddo

And that gang of racketeers he's accumulat-ed around down there don't go no place without their double-barreled teles and they've got some ideas too! Now sense Al Capone's finely got the rap they're gonna see that ever prominent citizen of Chicago gets one too only on his front door and loud enough to be heard! Governor Emerson may be essaying to do somethin' and Cermak mayor may not straighten things out for Chicago, but regardless of nay releaf, that gang's all set to knock Old M. Depression for the well-known loop. No spring fever's got into that bone although springs blossomed into full bloom.

Hoping you are the same,
Gaddo

"Lowell Thomas With Prosecutor Johnston." Seated next to the famous newsman is the attorney who successfully prosecuted Al Capone. (KU 97775)
One of several views Lewis made of Carl Sandburg in the poet's cluttered office. Others show him at his typewriter (presumably working on Keystone View texts) and playing a guitar next to a small wood stove. The telebinocular's light is illuminating a view of Lincoln.

Carl Sandburg with his dogs in an appropriately poetic setting. Lewis concluded one of his "Nusie Susie" letters with: "...jest set tight till I tear loose and tell about our big day at Sidney Gump Smith's estate and our even greater treat at Carl Sandburg's."
At one point, Lewis had apparently complained of interference from the Keystone "Negative Committee" with his travel and photography plans, resulting in this letter of reassurance from Keystone President L.L. Singley himself. The committee in question dealt with specific needed images. One set of recommendations to the committee dated April, 1931, reads like a detailed, town-by-town tour guide of Mediterranean countries with specific subjects Lewis was to photograph.

A self portrait done in pencil by Lewis following his years of travel for Keystone. The poem "Berlin, Belfast, Barcelona" was hand written on several loose pages found among the boxes of Lewis' photos and other material. It's not known if the drawing or the poem ever appeared in T.N.T.
Not so many that can own a
Magic carpet that completes remembrance's book
Miles and seas between the places
Vanish as a man retraces
On a map, or in his mind the route he took
As to the tempo of the tropics
I'll dispose of in two topics.
If it moves slowly you may
know the atmosphere is right
The philosophy of living
Is that wisdom is merely giving
Up the tasks that should be done today or night.
When Mahatma grinned I got him
When the Zulu danced I shot them
I was Johnny with spot on that great day
With the zeppelin over Zhiza.
And I hope it won't displease you
When I tell you I sneaked in the Passion play.

But come now with me to Capetown
That sahibrious city way down
On the southern tip of Sunny Africa
Half the world away from home
Will ride the blue waves tipped with foam
Then we'll stop ashore to find what we can see
In the story that unravels.
Of the wanderings and Travels
Of a Keystone photographer from the west
Let me tell you of the nations
With the folks and habitations
As I saw them on my photographic quest.
I was one of them that wandered
Round the world's back streets and squandered
Many years and many photo plates
going places, taking pictures
From the Alps to Zinariichas
Rain or shine I played the game of crashing gates

Gadodd in Paris, stranded atop Notre Dame after
"Kleppie and me stayed too long after the sig-
als. Oh yes, I'm down now but I had to buy my
way out! Didn't find the Hunchback." After
going on at length with wisecracks and outra-
geous puns concerning the French language and
money, and Paris streets and traffic, one letter
closed with: "Just tried spelling Paris backwards.
It comes out 'rep'. I guess that's the way I've
been spreading it on."

Using a modified camera, Lewis made a number of aerial hyperstereos.
One 1930 issue of T.N.T. promoted European aerial views to dealers using
this Lewis sketch. (Other aerial hypers published by Keystone were done by
Fairchild Aerial Surveys, Inc.) Oliver Wendel Holmes Stereoscopic Research
Library Collection.
Improving the Stereo Spice Rack

by Ross F. Housholder

In the article which appeared in the March/April 1993 issue of Stereo World, titled Shooting Iceland’s Surprises with a Stereo Spice Rack, a narrative was included that explained how shutter-synchronization modifications were made to a pair of point-and-shoot Minoltas. Since the article appeared, I have received several requests for more details on the modifications. As a result, I worked up a couple of diagrams that clarify somewhat the description previously provided; they are reproduced here.

The first version of the “Spice Rack” (a name given to the camera rig by my daughter) depended on “simultaneously” depressing two closely-mounted but separate micro switches in order to achieve camera synchronization. This arrangement worked satisfactorily most of the time, but there were occasions when one of the cameras would fire a few milliseconds before the other: not too important when shooting static scenes. However if the scene contained motion, I would occasionally obtain some strange results such as a moving vehicle appearing in a 3D sense, to be located “behind” a tree that was really behind the vehicle.

To reduce the possibility of mis-synchronization, I redesigned the shutter control circuit by installing a small battery-driven DPST relay, adding a set of three push-button switches on the right side of the camera frame: one for the left camera, one for the right camera, and one in the center which controls the relay and fires both cameras. In addition, I installed a small SPST switch in series with the relay control circuit to keep the batteries from discharging if the relay control switch was inadvertently closed for a long period of time. It might still be possible to obtain mis-synchronized shots if the batteries in the cameras themselves are not balanced: old, worn out batteries in one and brand new ones in the other, for example.

For additional information, contact Ross F. Housholder, c/o Saudi Aramco, Box 10077, Dhahran 31311, Saudi Arabia

This column depends on readers for information. (We don’t know everything!) Please send information or questions to David Starkman, NewViews Editor, P.O. Box 2368, Culver City, CA 90231.
Single-Frame Stereogram Books Multiply

Magic Eye

N.E. Thing Enterprises has returned to the growing popular market for "random dot" 3-D images in a big way with their new 32 page book, MAGIC EYE A New Way of Looking at the World. For less than the price of a single 3-D poster in a mall or frame shop, you can have 27 colorful single-frame stereograms (most 7½ x 10 inches) that display more variety in imagination and technique than found at any of the poster outlets.

While none of the images is specifically credited, many are evidently the work of pioneer random dot artist and NSA member Dan Dyckman, who is mentioned with Mike Bielinski in the brief introduction. Subjects range from basic patterns and shapes to more complex animals and vehicles. A portrait of Ludwig van Beethoven works surprisingly well, as does a flower which appears when what looks like an ordinary picture of identical smaller flowers in a field is fused. One of the more interesting images is that of an open cube bisected by a vertical column and two horizontal structures, all of which meet in the center of the cube like the transfer point of a space station or a very confusing airport terminal. None of the images is actually composed of dots, but rather a variety of patterns, shapes, drawings and even tiny photos – all computer shifted into 3-D through the "Salitsky Dot" image-rendering system. A single page of viewing instructions is included, but no fusion dots are provided in or above any of this new collection of "STARE-E-O" images.

Earlier versions of Magic Eye, published by N.E. Thing's partner company Tenyo Ltd. in Japan and Korea, have already sold in the hundreds of thousands. In Japan, interest in 3-D has grown quickly with the publication of several Color-Shift 3-D Comics

Comics and posters using chromostereopsis to create the controlled illusion of depth have been published by Valiant comics in a "Valiant Vision" starter kit. Included in the kit are glasses with etched lenses to shift different colors laterally in opposite directions for the left and right eye. Through careful use of strong colors in the proper orientation, the character Solar Man of the Atom leaps off the pages in striking 3-D.

An explanation of the concept and potential applications of chromostereopsis appeared in Stereo World Vol. 20 No. 1, page 34, and Vol. 20 No. 3, page 3. Check with your local comic outlets for availability of the kit. More Valiant comics using the process are expected to appear in coming months.

Books and references on TV talk and quiz shows. New clubs have formed, and a free-viewing based "dating scene" is even said to have developed in shops featuring 3-D materials.

But unlike the Stereogram books published in Japan by Shogakukan or Random Dot Stereograms by Andrew A. Kinsman (reviewed in Vol. 19 No. 6), Magic eye provides no organizational references or information sources where readers could learn more about random dot stereograms or stereo imaging of any kind. This unfortunate omission is especially surprising in light of N.E. Thing's previous efforts to spread and inspire interest in various aspects of 3-D imaging. If customers in the popular marketplace are treated only as mindless consumers of clever 3-D novelties, there will be little chance of the potential stereo image market growing or lasting.

Nevertheless, Magic Eye is a collection of images not to be passed up at $12.95. Published by Andrews and McMeel, Kansas City, 1993, the book can be found at many large bookstores (sometimes (Continued on page 30)
Visiting St. Nick – View-Master Style

When most people think of visiting St. Nick – they think of seeing a jolly old fellow with a long white beard and a red suit. However, our visit was not to see a person, but a place – the home of View-Master, Europe.

On September 14, 1992, we were honored to be allowed to see the View-Master plant in Saint-Niklaas, Belgium. St. Niklaas is a town of about 50,000 people. Located near the highly industrial town of Antwerpen, it has become somewhat of an industrial hub in its own right. The View-Master plant has moved five times since it was first begun in 1952 and has only been in its present location for two years.

Our trip to the plant began with check-in at the front reception area. There we were greeted by Mr. Paul Van Dyke, Vice-President & Managing Director of European Operations. Mr. Van Dyke discussed with us the general activities of the plant and the history of the Belgium operation. During his years with the company, he has come to love the 3-D images unique to the View-Master product.

Many items have been designed and distributed exclusively by the Belgium plant. Most of the European royal families have been shot by View-Master photographers and many unique reels have been created by the folks in Belgium. Throughout the years, View-Master, Belgium has also produced several viewers unique to the European market.

A fine creative department exists in Belgium and they were responsible for developing the unusual and extremely clever Barcelona gift set that View-Master produced for sale during the 1992 Summer Olympics.

In the St. Niklaas plant, all employees wear a blue smock with an embroidered patch proudly displaying the View-Master name. We were happy to see all the various work-stations busy producing reels, viewers and gift sets.

The injection molding process is also used here to produce View-Master viewers similar to those produced in Portland, Oregon. Bright
red Model 10 viewers were being produced and sent through on the busy assembly line. Many colored viewers have been produced in Belgium including blue, purple, black, yellow and green (just to name a few).

Belgium reel-making machines were shipped from the Portland plant and are the same as those developed by William Gruber, manufactured by Stereocraft Engineering, and still used in Portland’s day-to-day operation.

Popular in both Europe and the United States is the Mickey viewer. However, if you look closely you will note that the Mickey made in the U.S. has rounded sunglasses, whereas the one made in Belgium has more squared sunglasses. This change was made in order to accommodate the standard Model 10 viewer used in Europe.

The blister-pak design was originally conceived by the staff in Belgium. Variations have occurred, but the basic design has remained the same. In 1993, production of the blister-pak will become standardized with both the U.S. and Belgium plants using the same size, "Barcelona of the Future" gift set designed and produced at the St. Niklaas View-Master plant.
style and color on all packets.

Asia and the Far East are the largest markets served by the Belgium operation. Hundreds of thousands of Mecca sets are produced every year. This set is unique because it portrays some of the very special sites holy to the Muslim faith. View-Master has also produced a special set of reels entitled “Teaching Prayers”, portraying young Moslems in their devotions to Mecca and Islam.

Like Portland, St. Niklaas produces a large number of various gift sets every year. One of the newest sets to be manufactured is “Thunderbirds”, based on the Gerry Anderson TV show. Originally released as a Sawyer’s three-reel pack, the new-found popularity for this vintage classic Science Fiction series has created a whole new market and, as a result, View-Master has re-issued this wonderful set of reels.

Commercial reels, like those used by 3-D Book Productions are also produced by the Belgium plant, although the actual photo images are prepared in Portland (as all photography now passes through here before final development and release). Many diverse products have been portrayed on View-Master reels including European automobiles and bathtubs, grocery stores and home decor.

Other Tyco Toy products are also made in Belgium, including the Magna Doodle, Super Dough, and Tyco race cars. A large display room is set up in the plant which enables you to use “hands-on” techniques for demonstrating each product. Of course, we were disappointed to see that the View-Master product was not yet set up, but we were promised that this would soon be part of the overall display.

We want to thank Mr. Van Dyke for his time spent and knowledge shared during our visit, and for making our trip so special. Also, appreciation is expressed to Sonja Hughes and her staff for arranging our tour.

---

NewViews

in the “gift books” section, or contact Andrews and McMeel, 4900 Main St., Kansas City, MO 64112.

Stereo gram English Edition

Originally published by Shogakukan in Japan as two volumes, the STEREOGRAM books feature a wild variety of stereo images from around the world in random dot, stereo pair and color field or “wallpaper” formats. Packed with information and color images, the books both reflect and helped spread the new interest in 3-D among young people in Japan, selling close to a million copies. The stereo pairs, whether photos, drawings, or computer images, are printed for both parallel and convergence free-viewing depending on the size of the images. Anything too large for parallel viewing is presented for cross-eyed viewing with symbols above each pair indicating which way it is to be viewed. The single image random dot stereograms are designed for parallel (or nearly parallel) viewing. (The seven young Japanese 3-D enthusiasts attending the 1993 ISU congress in Eastbourne brought with them poster size examples of the astounding work being done in random dot stereo in Japan, where informal free-viewing contests have become popular.)

Early in 1994, Cadence Books of San Francisco will publish a re-edited one-volume English edition of the books. With a foreword by Virtual Reality author Howard Rheingold, Stereogram includes 96 color pages of 3-D images in a 195 x 200mm softcover format. For availability, contact Cadence Books, Box 77010, San Francisco, CA 94107.

3-D Wonderland

Already released, 3-D Wonderland from Tokuma Shoten is a 55 page collection of some of the best recent random dot and stereo pair images from Japan with text in English. Among other techniques, computer stereo imaging is covered in detail extending even to “morphing” as seen in flat animation is so many current TV commercials. If your favorite bookstore doesn’t have this rich collection of cutting-edge 3-D images ($15.95, ISBN: 4-19-086977-5) contact Tokuma Shoten Publishing Company Ltd., 1150 Skyline Tower, 10900 NE 4th, Bellevue, WA 98004.

Assignment 3-D

be less than one inch. Qualifying views will simply need to display noticeable exaggeration of the depth one would expect in a given subject. Anything from moon views separated by thousands of miles to aerial hypers to back yard side-step shots will be welcome. Technical qualities like proper foregrounds, limited moving-object anomalies, and appropriate separation will of course count, but so will innovative approaches and interesting or unusual subjects. Deadline for “Hyper!” will be April 5, 1994.

The Rules:

As space allows (and depending on the response) judges will select for publication in each issue at least two of the best views submitted by press time. Rather than tag images as first, second or third place winners, the idea will be to present as many good stereographs as possible from among those submitted.

Prizes are limited to the worldwide fame and glory resulting from the publication of your work. Anyone and any image in any print or slide format is eligible. (Keep in mind that images will be reproduced in black and white.) Include all relevant caption material and technical data as well as your name and address. Each entrant may submit up to 6 images per assignment.

Any stereographer, amateur or professional, is eligible. Stereograms which have won Stereoscopic Society or PSA competitions are equally eligible, but please try to send views made within the past eight years. All views will be returned within 6 to 12 weeks, but Stereo World and the NSA assume no responsibility for the safety of photographs. Please include return postage with entries. Submission of an image constitutes permission for its one-use reproduction in Stereo World. All other rights are retained by the photographer.

Send all entries directly to: ASSIGNMENT 3-D, 5610 SE 71st, Portland, OR 97206.

---
We acquired our first Verascope F40 stereo camera around 1980. It was the Busch model, but the seller said that he had picked it up directly at the Richard factory in Paris. We had no reason to doubt him, and the interesting aspect is that the camera came with the English version of the printed-in-France instruction manual. Models sold in the USA by Busch had a different version of the manual, printed in the USA.

The French/English version (probably intended for the UK market) listed several camera accessories in the back which were not offered by Busch in the US. The one that really caught our eye was for the Verascope Stereo Projector.

Looking like an industrial machine of the 1930s, it had the style of something that would have been at home in Dr. Frankenstein's laboratory, or would have made a great double-barreled death ray for Ming the Merciless in the old Flash Gordon serials.

Over the years whenever we came across a picture of this projector we would discuss our fascination with it. What most interested us were the 3-D equipment designs generated in Europe independent of the Stereo Realist system that had simultaneously developed in the USA. This unusual projector design excited us enough to want to own one.

We never ran across an actual example, nor knew of anyone who had one until we visited Paris for the 1991 ISU Congress. We trekked out to the Musée Français de la Photographie in Biévres to spend a day marveling at the hundreds of stereo cameras, viewers and accessories in their collection. Grouped appropriately with the Verascope F40 camera we saw an actual example of this projector for the first time! We took some nice stereo slides of it and figured that this would be the closest we would ever get to one.

In 1992, however, we ran across a listing for a Jules Richard stereo projector in an auction for Christie's in London. A fax to Christie's confirmed that it was this old model (and not the equally rare more modern-styled later model), so we decided to let a friend in London bid on it for us. We made the successful bid, and a few months later our friend brought it to us from London on a visit.

Our first major discovery was that the projector is made for 110 volt operation! We had assumed it would be 220 volt, and had not even planned to plug it in. Our English friend explained that more than 30 years ago, France had not yet standardized on 220 volts, and that 110V was commonly in use. We cautiously plugged in the projector for the first time and the fan seemed to operate with no problems.

There were no lamps at all, however, and the external lamp plugs had been replaced with long obsolete English ones. Our English friend helped us again by supplying French plugs that fit into sockets on the back of the projector as originally intended. The original literature called for two 400W or two 250W lamps. A study of the current lamp guide revealed that neither of these currently exist in the USA, but there is a 300W version still available (ANSI code CXK). This seemed like the best compromise, the next choice being twin 500W CZX lamps, which might be too hot for the small fan to cool.

(Continued on inside back cover)
I love getting my daily fix of stereo. Everyday I receive an E-mail message with the latest stereo news and discussion of 3-D photography questions such as how to shoot meteor showers, modify cameras, mount slides, etc. People from all over the world contribute to the discussion. This free service is called Photo-3D and is available to anyone with a connection to the Internet.

The Internet is the largest computer network in the world, tying together universities, national labs, businesses and the military. About 15 million people in 50 countries are connected and the number is growing rapidly. Even President Clinton and Vice-President Gore have Internet addresses to receive E-mail and supply press releases, speeches and legislation. The Internet is one part of the much hyped, high-speed, data highway that will connect to every home in the near future. Cable companies, phone companies and the government are all maneuvering to determine who will control access to the high-speed network. Recently, Continental Cable, the third largest cable operator in the country, announced it will make Internet access available to its subscribers by the end of 1994, though that service may be expensive.

Most people at universities, labs, or large businesses now have "free" access to the Internet. There are also companies that offer anyone with a computer and a modem access to the Internet. Costs range from a few dollars an hour to flat rates starting at about $20 per month. Many of the pay services such as CompuServe, Prodigy and GEnie also offer at least limited Internet connection. Some services only offer connection for electronic mail. Others offer full access to the newsgroups and file transfers.

Once on the Internet there are a number of 3-D resources. The first is the Photo-3D electronic mail list. Photo-
 Occasionally people post random dot stereograms or programs. Some of the images in Andrew Kinsman's book, "Random Dot Stereograms" were first shared in Alt.3d. There are also questions about computer graphics and raytracing, some of which don't involve stereo vision. Part of the reason for creating the Photo-3D list was to provide a forum with less noise than Alt.3d for those serious about discussing stereo 3-D photography. Another newsgroup which sometimes gets into stereo issues is Sci. virtual-worlds, which discusses the theory, business and technology of virtual reality. Also, Rec.photo may be of interest.

There are many sites on the Internet that act as databases. You can ftp to the site and look around at files that are freely available to the public. Some of the sites have collections of random dot stereograms that have been posted to the net. Others have small collections of digitized stereo pairs or computer-rendered stereo scenes. At present, these are rather haphazard collections. Once I found a few seconds of digitized video of topless dancers taken from a weekly European TV show that effectively used the Pulfrich effect. For the more ambitious, there are sites that have the virtual reality program Rend368 that, with the hookup of LCD shutter glasses and a power glove to a PC, puts you into an interactive stereo world.

If you have an E-mail connection to the Internet and want to subscribe to Photo-3D, send mail to listserv@csg.lbl.gov. You don't need a subject line. The message should be:

subscribe photo-3d your name (Where your name is your actual name.) Your E-mail address will automatically be taken from the header of your message, so send it from the account where you wish to receive Photo-3D mail. I recommend you also add a second line to your message:

set photo-3d MAIL DIGEST

This means you will get one mailing a day with all of that day's messages, instead of getting each message as it is posted. Since some services such as AppleLink offer Internet E-mail, but charge (50 cents) for each message, the "digest" option is often a necessity.

Some Net Terminology

NEWBIE – someone new to the net or a newsgroup, who is usually asking a question already asked a thousand times before by other newbies. So that boring and costly repetition is kept to a minimum, many groups maintain a FAQ.

FAQ – answers to Frequently Asked Questions. It is considered good etiquette to check the FAQ, if there is one, before asking questions in a new group you have just started reading.

IMHO – shorthand for "in my humble opinion."

SIG – a signature file that can be appended to a mail message or posted to a newsgroup. (Some examples illustrate this article.) A few of these are quite elaborate with interesting quotes and ascii art. However, large .sigs irritate those people who are connected over slow phone lines and pay for their connect time.

ASCII ART – artwork done only with the ascii (typewriter) character set and simple text spacing. The accompanying figures show some stereo .sigs with ascii art.

FLAME WAR – A discussion that degenerates into personal attacks. This never happens in our groups because stereo people are so nice.

---

Duane Starcher
Memorial University
St. John's, Newfoundland
Canada

(duane@morgan.ucs.mun.ca)

---

460152
The Trick of Being in the Right Place, Etc.

Sometimes Stereoscopic Society members are fortunate enough to be present when significant events occur, and, if the fates allow, add to the stereo record of life's passing parade. Such was the case with NSA and SSA member Ray Bohman of Cedar Rapids, Iowa, when he had occasion to travel in China in June, 1989. Ray was a member of a technical delegation that had been organized by the Global Change Division of the U.S. Environmental Protection Agency. The delegation's mission was to begin a technology transfer to China concerning the substitution of alternative coolants for CFCs (chlorofluorocarbons) in household refrigeration appliances. The Beijing Household Electric Appliance Research Institute coordinated the visit, which included meetings with refrigerator manufacturers and government agencies. This is part of the continuing worldwide effort to curtail atmospheric damage from these chemicals.

The first attempt had to be scrubbed due to the dramatic internal problems that beset China at that time. Ray Bohman was in a hotel room overlooking Tiananmen Square on that melancholy night when the massacre took place. The delegation had to leave the country and the meetings were eventually rescheduled.

Ray revisited China during the period from October 26 to November 11, 1989. On November 1st he went to the U.S. Embassy to get a technical questionnaire typed and printed by the staff person who was their contact for the mission. As it happened, former President Richard Nixon had gone to China at that time to try to improve grossly deteriorated U.S.-China relations, and on that day he visited the embassy to make an address and greet the staff, families and friends. Through his contacts with Premier Li Peng he had convinced the Chinese to discontinue the harassment of embassy staff personnel by soldiers brandishing automatic weapons. The embassy people were very grateful that there were no AK-47s in evidence that day. Following his address President Nixon signed autographs and posed for pictures. This gave Ray a chance to break out his stereo camera and make five views of Nixon, one of which is shown here. The illustrated view was selected for inclusion in the 1991-92 Master's Folio of the Society's print circuits where it was rated in the top third.

A Cataloger's Dream

In the summer of 1993 Ray and Eileen Bohman were vacationing in Southern California and chanced to visit the Richard Nixon Library & Birthplace. When they mentioned the five stereographs taken in China, the library personnel expressed interest in obtaining copies. Ray was able to post a set to Curator Amanda Fish some weeks later. To show that the value of such contributions (especially stereographs) is understood and appreciated, I quote in part from the acknowledgement Ray received from archivist Susan Naulty:

"Babyface" by Michael Pierazzi circulated in the O Print circuit of the Stereoscopic Society of America and was nominated for inclusion in the 1992 Masters' Folio.

"...I would like to thank you for your exquisite gift which really highlighted our day...Your photographs are beautiful, and the background you have given us on them provides the type of documentation which is a cataloger's and scholar's dream. Having the images in the form of stereographs is also symbolic since undoubtedly the first photographic views of China seen by most Americans were in sets of published stereographs..."

Such a response is reassuring to donors and much appreciated by Ray and Eileen. It also encourages the rest of us to make gifts of stereographs where appropriate and where their worth is recognized.

Babyface

Also illustrated this time is another view by Michael Pierazzi of San Francisco, CA. "Babyface" was a high-scoring entry in print folio OP-5 and was nominated for the 1992 Master's Folio. To me this stereograph affirms anew that there are pictures everywhere that the skilled photographer can make into something special through composition and print quality. It is more than the sum of its parts. Every time I study it, it says something new to me...I go back to look at it again and again. Some naive person once said photographs do not lie. Be that as it may, they certainly do tell stories.

Society Membership

Stereo photographers who work in Realist compatible format, (2x2)x2 transparency, or 3½ x 7" print formats and who wish to consider joining the Stereoscopic Society should write to Corresponding Secretary E. Jack Swarthout, 12 Woodmere Dr., Paris, IL 61944.

Gifts Enrich Holmes Library Collection

Among the recent gifts to the wide ranging collection of the Oliver Wendell Holmes Stereoscopic Research Library is a collection of stereo prints by the late Wayne Davis. Mr. Davis was a skilled and active member of the Stereoscopic Society of America Print Folios, and several of his views were displayed at the 1993 NSA convention in San Diego. The collection was donated by his family. Other recent gifts have been donated by:

- Bill Walton – Copy of Bill's latest book, Back to Basics; Newspaper clippings
- John Weiler – Antique Trader article; Book: Airplane Photography
- Wm. Slugg – 6 stereoscopes and stereographs; views for Whiting Scul- tscope; Back issues of Stereo World

Freeman Hepburn – Photography book
Florence Schear – Back issues of Stereo World
Craig Daniels, Nancy Sabotka, Dr. Max Kent – 4.5 x 10.5cm stereo views
Eaton S. Lothrop, Jr. - Back issues of The Stereoscopic Society Bulletin

The NSA has established the Oliver Wendell Holmes Stereoscopic Research Library, located at Eastern College, St. Davids, PA 19087. This library offers to researchers a large body of information on the history, development, and continued applications of stereoscopy. It contains early catalogs and trade lists of stereo photographers and publishers, a collection of books and periodicals (both antique and current) on stereoscopy and related photographic techniques, and a large study collection of both antique and modern stereo images.
I have been fascinated by the "photo-realistic" computer generated images from movies and artwork for several years. However, until recently, creating these elaborate stereoscopic images required an expensive mainframe or minicomputer and an additional, substantial investment in software. The cost of personal computers has continued to decrease while their computational speed has continued to increase to the point where I can afford the power to create professional looking images similar to those made for Hollywood. A complete 486-based, IBM compatible computer system powerful enough to generate and display these images can be bought for well under $1500.

The second obstacle to overcome was the huge expense of the software required to draw the images. These "ray-tracing" programs can easily cost $3,000 to $10,000. Fortunately, I found a collection of shareware and public domain ray-tracing programs and utilities which give me the same power as their expensive counterparts, but cost nothing, or at the very most $25.

I can now afford enough power to generate these images by using a "freeware" package called Persistence of Vision (POV) and several shareware packages which help to overcome some of POV's limitations. Versions are available for IBM PC, Macintosh, Amiga and UNIX Workstations. The book Image Lab [Wegner, Time, Waite Group Press (1992), $39.95, ISBN 2-878739-11-5] includes a copy of POV as well as some tutorials and some image viewing and editing software. A quick tutorial on generating stereo-pairs with POV is also included.

[For additional information on ray tracing and POV by John Williamson, send an SSAE to: Stereo POV, 5610 SE 71st, Portland, OR 97206.]
February 26  (WI) Milwaukee Camera Show & Sale, Ramada Inn Airport, Milwaukee, WI. Contact Bill Moritz, 815-886-0101 or Fantastic Photo Flea Market, 20219 Mack Ave., Grosse Pointe Woods, MI 48236. Call 313-884-2242.

February 27  (CA) The New Burbank Camera Show and Sale, Aeronautical District Lodge, 2600 W. Victory Blvd., Burbank, CA. Contact Anton at Bargain Camera Shows, Box 5352, Santa Monica, CA 90409. Call 310-396-9463.

February 27  (FL) Clearwater Elks Camera Show & Sale, Clearwater Elks #1525, 2750 Sunset Point Rd., Clearwater, FL. Contact Tom Roop, Box 6075, Westpark, CA. Contact Photorama #1525, 602-721-8281.

March 5  (MD) Washington, DC Photorama USA Camera Show & Sale, LANHAM Inn, 5910 Princess Garden Parkway, Lanham, MD. Contact Photorama USA, 20219 Mack Ave., Grosse Pointe Woods, MI 48236. Call 313-884-2242.

March 5  (GA) Agusta Camera Show & Sale, Shoney’s Inn, I-20 & Washington Rd., Agusta, GA. Contact Agusta Camera Show, PO Box 360033, Decatur, GA 30033. Call 404-897-2773.

March 5-6  (AZ) Tucson Arizona Camera Show, Tucson Convention Center, 260 S. Church, Tucson, AZ. Contact Photographic Collectors of Tucson, Box 18646, Tucson, AZ 85731. Call 602-721-0478.

March 5-6  (TX) North Texas Photo & Equipment Fair, Tarrant County Convention Center, Ft. Worth, TX. Contact Angela Vinson, Box 529, Lewisville, TX 75067. Call 214-221-1993.

March 6  (CA) Pasadena Camera Show & Sale, Pasadena Elks Lodge, 400 W. Colorado Blvd., Pasadena, CA. Contact Anton at Bargain Camera Shows, Box 5352, Santa Monica, CA 90409. Call 310-396-9463.

March 12  (NY) Buffalo Super Camera Show & Sale, Holiday Inn Airport, 4600 Genesee St., Cheektowaga, NY. Contact Photorama USA, 20219 Mack Ave., Grosse Pointe Woods, MI 48236. Call 313-884-2243.

March 12  (WI) Super Madison Show and Sale, Howard Johnson Hotel, 4822 E. Washington Ave., Madison, WI. Contact Mark Orenstein, 3919 N. Milwaukee St., #210, Chicago, IL 60641. Call 312-481-2801.

March 12-13  (NE) Omaha Camera Show, Radial Social Hall, 1516 Northwest Radial Hwy. Contact Jim Tunzer, 1808 N. 59th St., Omaha, NE 68104. Call 402-558-9473 or 496-1919 pm.

March 12-13  (CA) San Francisco Bay Area Camera Show, Scotch Rite Auditorium, 1547 Lakeside Dr., Oakland, CA. Contact Carney & Co., 231 Market Place, Ste 379, San Ramon, CA 94583. Call 510-828-1797.


March 13  (VA) 11th Annual Spring D.C. Antique Photo Show, Rosslyn Westpark Hotel, 1900 N. Ft. Myer Drive, Arlington, VA. Contact Russell Norton, Box 1070, New Haven, CT 06504. Call 203-562-7800.

March 13  (IL) Chicago Super Camera Show & Sale, Holiday Inn, 5300 W. Tohy Ave., Skokie, IL. Contact Mark Orenstein, 3919 N. Milwaukee St., #210, Chicago, IL 60641. Call 312-481-2801.


March 13  (OH) Cleveland Super Camera Show & Sale, Cleveland Marriott Airport, 4277 W. 150th St., Cleveland, OH. Contact Photorama USA, 20219 Mack Ave., Grosse Pointe Woods, MI 48236. Call 313-884-2243.


March 19-20  (NM) Santa Fe Camera Show and Swap Meet, High Mesa Inn, 3347 Cerrillos Rd., Santa Fe, NM. Contact Lynn, 505-980-1101.

March 20  (MA) 5th Annual Spring Boston Antique Photo Show, Westford Regency Hotel, Westford, MA. Contact Russell Norton, Box 1070, New Haven, CT 06504. Call 203-562-7800.

March 20  (ONT) Photographic Historical Society of Canada Spring Photographic Fair, Queenway Lions Centre, 3 Queenway Lions Court, Toronto, Ontario. Contact Mark Singer, 421 Horsham Ave., North York, Ont. M2R 1H3, Canada. Call 416-221-8888.


March 20  (IL) Chicago Photographic Collectors Society Spring Camera & Image Show, Ramada Hotel O’Hare, 6600 Mannheim Road, Rosemont, IL. Contact Jim Mayer, 708-323-4427.

March 26-27  (IN) Indianapolis Photorama USA, Indianapolis Armory, 3912 W. Minnesota, Indianapolis, IN. Contact Photorama USA, 20219 Mack Ave., Grosse Pointe Woods, MI 48236. Call 313-884-2243.

March 26-27  (TX) Photographic Collectors of Houston Photographic Super Fleamarket, Holiday Inn Hobby Airport, Houston, TX. Contact Leonard Hart, Box 70226, Houston, TX 77270. Call 713-868-9606.

March 27  (VA) Barone Camera Swap Meet, Holiday Inn, 1489 Jeff Davis Hwy., Arlington, VA. Contact Camera Swap Meet c/o Barone & Co., Box 18043, Oxon Hill, MD 20745. Call 703-768-2231.


April 20  (AR) NISA SOUTH CENTRAL REGION MEETING, 8 am - 3 pm, Four Runners Inn, Rt. 4 Box 306, Eureka Springs, AR. Contact Ken Bates, 26 Cherokee Pl., Eureka Springs, AR 72632. Call 501-253-8783.

April 30  (WA) Puget Sound Photographic Collector’s Society, Inc. Fourteenth Annual Camera and Photographic Sale, Swap & Show, Kent Commons, 4th Ave. N. & James, Kent, WA. Contact Ben Melton, Suite E, Box 202, 5109 Point Fosdick Dr. N.W., Gig Harbor, WA 98335. Call 206-651-6581.

Upcoming National NSA Conventions

1994
 Milwaukee, WI June 17-19

1995
 Atlanta, GA June 27 - July 3

1996
 Rochester, NY August 1-5

1997
 Bellevue, WA July 4-6
BUY, SELL OR TRADE IT HERE

For Sale

1859 VINTAGE STEREO VIEWER cabinet/wood rotary stereo card holder (Joss. Beckell’s Patent), includes Lincoln funeral view, cards, and Eighty other views. Send bid offer: G. Bobotsis, PO Box 52, Clinton, MO 63235-0052.

3-DIMENSIONAL VIRTUAL REALITY (IBM-PC); animations and pictures, including Red/Blue glasses, CD-ROM version only $30 (600+MB); Floppy $5 (1.2MB). Micro-Mart, 422 Halsey Road, North Brunswick, NJ 08902, (908) 821-6164, Fax: (908) 297-7399; more CD-ROMS: Top-2000 SHAREWARE (681MB), All Beauties (For Adults Only), (698MB). (Plus $2 shipping), Dealers Welcome!


ARTHUR GIRLING’S “Stereo Drawing - A Theory of 3-D Vision and its Application to Stereo Drawing” 100 pages hardbound 8½ x 12. Stereo photographers are finding that the book applies equally to stereo photography and is a mine of information on methods of making 3-D pictures and viewing them. Written in non-technical language and profusely illustrated with B&W drawings as well as 11 pages of superb anaglyphs, this book is a must for the serious stereocritic. Now available from NSA Book Service, 4201 Ngle Rd., Bryan, TX 77801. Price (including postage) $19.00 USA, Canada. Overseas add $2.00 surface, $4.00 air.

COMPACT, LIGHTWEIGHT Twin camera rig. Based on Olympus AX-2. Complete, ready to use package $300. Partial trade possible. SASE for details. Michael Watters, 12379 SW Walnut St., Tigard, OR 97223, (503) 390-3467.

FED STEREOMANUFACTURER M, complete with case, etc. Direct import from Russia. Only $299, plus $30 for air postage. Send your order and check to: 3-D Book productions, PO Box 19, 9530 AA Borger, Netherlands. Prompt Shipment.

FEW LEFT! The “Just View It!” T-shirt. A 100% cotton grey T-shirt showing a reel anaglyphs, this book is a must for the serious 3-D enthusiasts. Pre-order now and receive this and the next set. Francoise Beauduel, C.P. 63 CDN, Montreal, Quebec, Canada H3S 254.


NEW CATALOG! We’ve got more 3-D publications now than ever before (including lots of random dot stereograms) in our 1993-94 catalog. For a copy, please send $1, for U.S., Canada and Mexico or $2, for all other nations (both are refundable with future order). Cygnus Graphic, Box 32461-X, Phoenix, AZ 85064-2461.

NEW! KEYSTONE STEREOMANUFACTURER MODEL 3101: the best viewers for people who must wear glasses! Also: hoodless Model 3100 for extra wide frame glasses. Excellent optics that easily beat antiques and reproductions. $75 plus $3 shipping (in US), Russell Norton, PO Box 1070, New Haven, CT 06504-2033 562-7800.

A part of their membership, NSA members are offered free use of classified advertising. Members may use 100 words per year, divided into three ads with a maximum of 35 words per ad. Additional words and additional ads may be inserted at the rate of 20¢ per word. Please include payments with ads. We cannot provide billings. Deadline is the first day of the month preceding publication date. Send ads to the National Stereoscopic Association, P.O. Box 14801, Columbus, OH 43214, or call (614) 797-2930. A rate sheet for display ads is available upon request. (Please send SASE.)

For Sale

JOHN WALDSMITH’S “Stereo Views, An Illustrated History and Price Guide” available signed from the author. $22.95 softbound, add $2.95 postage and handling. Please note: the hardbound edition is sold out. MasterCard, VISA and Discover accepted. John Waldsmith, PO Box 191, Sycamore, OH 44482.

KEYSTONE METAL STEREOMANUFACTURER with light and approximately 50 stereo cards $75. Nishika camera, case, flash, video, all in boxes like new $115 plus UPS, (708) 266-6424, 6-9 PM, Morton Grove, IL.

KODASLIDE II viewer, ex. cond., w/box, $90. Larry, 1809 Brickhouse Ln., Fallston, MD 21047, (410) 677-3592.

MAIL/PHONE BID AUCTION, coming this Spring, private collection including many nice Dakota (Deadwood, etc.), famous people, etc. Send $3 for catalog. John Waldsmith, 302 Granger Rd., Medina, OH 44256.

MY 17TH LIST OF 3-D equipment and View-Master reels is now available. Send US $1.00 for this and the next list. Francoise Beauduel, C.P. 63 CDN, Montreal, Quebec, Canada H3S 254.

STEREO CLIP-ART - 30 different clip art images of stereoscopic items (Holmes/Wheatstone viewers, 3-D cameras and more) $15. $25 S/H. Specify IBM or Mac. John Williamson, PO Box 145, Elmsford, NY 10523-0145.

STEREO FED instruction book (Xerox) with English translation. Learn to use this modern, currently available, Russian stereo camera that has electronic auto exposure. Please send $9 post-paid to: Bruce Hansen, Box 94937, Honolulu, Hawaii 96830-9437.

STEREO REALIST CAMERA, f/3.5, good average condition, s/n: A56525. Works great, $100 plus shipping. C. Simsms (619) 757-7116.


STEREO VIEWS AND POSTCARDS, sent mail order to you. Several thousand stereo views, and over 100,000 postcards. Send me your want list. Spedding, 2 Tanglewood Rd., Sterling, MA 01564.

STITZ 3-D STEREO SYSTEM, #3000 adapter w/case, #3040 projection stand w/polarizers. $150. + shipping (or best offer). C. Simsms (619) 757-7116.

SUPERCHARGE your Stereo Realist red button viewer! Send $7.95 for booklet loaded with viewer maintenance, repair, and improvement tips. Supplies, transformers, and repair services also available. SASE to G. Themelis, 10243 Echo Hill, Brecksville, OH 44141.

TDC STEREO VIVID PROJECTOR, Model 116. New projection lamps. Best offer within 30 days of this ad. David Eisenman, 300 Hessel Blvd., Champaign, IL 61820.

“VIRTUAL DIALOGUES” - a full color holographic stereogram in a limited edition of 100 nickel plates 220 x 240mm (like high tech daguerreotypes) - $550 each (framed). Contact Holograms-3D, 4 Macaulay Road, London SW4 QX U.K. Fax +44-81-622-5308.


SAWYER’S VIEW-MASTER round Model B viewer, black, exc.+, $24; blue-back hand-lettered reels/envelopes, #17, 21, 147, 318, 326, $7 ea; 3-reel packet #559 - Six Million Dollar Man, still sealed, $8; 6 Pixie-Views in original display package – Jesus Teals a Parade, $10, Nimslo camera straps, as new in original illustrated sleeve. $2 + 50¢ postage; Realist-45 stereo camera, Exc. in original box, $135. Please add shipping. Mark Wilkie, 200 SW 89th Ave., Portland, OR 97225. (503) 279-7653.

For Sale

NEW! KEYSTONE STEREOMANUFACTURER MODEL 3101: the best viewers for people who must wear glasses! Also: hoodless Model 3100 for extra wide frame glasses. Excellent optics that easily beat antiques and reproductions. $75 plus $3 shipping (in US), Russell Norton, PO Box 1070, New Haven, CT 06504-2033 562-7800.
DAKOTA and related stereo views by such photographers as George Woolworth, Mitchell, Siff, Illingworth, and others. Views with pasted back labels “A Picture of the Indian Cut Throats & Scalpers” or any other photos of this area. Need for book research. Bob Kolbee, 1301 So. Duluth, Sioux Falls, SD 57105.

STOPFRONT, and 1500 other selected stereo views in stock. Will trade only for Maine flat mount views - any subject or condition. Write or call for details. Paul Byrant, 864 Brighton Road, Westbrook, ME 04092. (207) 854-4470.

VIEW-MASTER. I have some early reels, mainly US scenes. Send for list. Interesting early Realist format slides taken in exchange. Neal DeBrey, 8 Marchant Way, Taybank, Port Elizabeth, 6001, South Africa.

WOLLENSAK 10 CAMERA and viewers wanted. Have over 5000 stereo views to trade. Manfred Schmidt, 6544 N. Oak Park, Chicago, IL 60631, (312) 631-5949, Fax (312) 631-2173.

ANY RDS COMPUTER “MOVIE” by Dan Dyckman wanted! Write if you have these RDS or other stereo computer animations. Have some to trade or will buy yours. Chris Helms, 5801 Eubank #119, Albuquerque, NM 87111.

ASTRONOMY VIEWS wanted. Anyone Astronomically related subject such as the moon, eclipses, telescopes, observatories and planets is welcome (especially the unusual). Send photocopies and prices to Steve Nathan, 45 Brewster Rd., W. Springfield, MA 01039.

BOXING, other sports, stereo views, images, cabinet cards, CDVs, antique photos, autographs, tickets, programs, posters, photo buttons, tins, memorabilia. Also other subjects: Jazz, minstrel, scenery, people, buildings, viewers. Don Hoffman, (408) 449-7311, Box 4321, Salsas, CA 93912.


COLORADO MINING TOWNS AND RAILROADS - all photographers-stereos, cabinets, CDVs, large paper, glass negatives, albums, books illustrated with real photographs. David S. Digerness, 4953 Perry St., Denver, CO 80212-2630, (303) 455-3946. Specialties: Locomotives, street scenes, survey teams, expeditions, stage coaches, freight wagons and occupational.

COLORADO stereo views by James Thurlow. Will purchase or trade your wants in stereo views. Arthur Farrell, 33 E. 5th St., Huntington Station, NY 11746.

DAKOTA and related stereo views by such photographers as G. Mitchell, Stiff, Illingworth, Hamilton and others. Views with pasted back labels “A Picture of the Indian Cut Throats & Scalpers” or any other photos of this area. Need for book research. Bob Kolbee, 1301 So. Duluth, Sioux Falls, SD 57105.

For Sale

WE NOW STOCK the SaturnScope (M1.5), elegantly made of Mahogany with glass lenses, folding handle, and pedestal base. Also the popular and handsome CedarEdge stereo microscope with stand. StereoType, PO Box 1637, Florence, OR 97439.

Trade

WANTED: 2,000 stereo views, a complete set of stereographs and photos for research. Will pay postage and copy costs. Jeremy Rowe, 2331 E. Del Rio Dr., Tempe, AZ 85282.

I COLLECT VIEWS OF SAN DIEGO, California in Realist or View-Master format! Contact: Dave Wiener, PO Box 12193, La Jolla, CA 92039.


FLORIDA STEREOS of historical value, especially Tallahassee, Tampa and Gainesville. Price and describe or send on approval, highest prices paid for pre-1900 views. No St. Augustine. Hendriksen, PO Box 21153, Kennedy Space Center, FL 32815.

FOR MY OWN USE - Realist and Iloca Rapid with 2.8 lenses, also Kodak, Beplasca and an Edixa with meter. Broken Realist 45 and also need Kodaslide II viewer. Gil Van Horn, PO Box 207, Llano, CA 93544, (805) 261-9207.

FOR RESEARCH purposes and manuscript. Photographed copies (I’ll pay) from Alexander Gardner’s Incidents of the War series. Stereo views #387 - Lt. Jones, Bowen and Custer. Also #389 - Group of General Anderson Porter’s Staff. Contact Don Schwarch, 1159 Vassar, South Lyen, MI 48178, (313) 437-9195.


GOOD 3-D TRANSPARENCIES of all kinds of animals. Send prices and samples. John D. Britton, 8668 NW 28th St., Fort Lauderdale, FL 33313-2077.

GREAT BARRINGTON, Massachusetts stereo views, RP postcards, all photos wanted. Also, views of Egremont, Hoosiantic, Sheffield, Stockbridge and Van Dausenval, MA wanted. Gary Leveille, PO Box 562, Great Barrington, MA 01230.

GREAT EASTERN (The Leithaven, between 1851-1888), anything concerning. Stereos, CDVs, Albumen, tintypes, ambrotypes, daguerreotypes, pamphlets, books painted, prints, ephemera, antiques, sheet music. Call (collect) or write: Fred Schoonbeck, 2782 Coit NE, Grand Rapids, MI 49505, (616) 364-8614.


HARDHAT DIVERS WANTED! Stereo views, CDVs, album prints, cabinet cards, photographs, daguerreotypes, ambrotypes, tins, RP post cards, etc. Also early underwater photographs. Gary Pleleck, 617 Guaymas Court, San Ramon, CA 94583 (510) 866-0848.

WANTED


I COLLECT VIEWS OF SAN DIEGO, California in Realist or View-Master format! Contact: Dave Wiener, PO Box 12193, La Jolla, CA 92039.

ILLINOIS AND MISSOURI stereo views wanted. Can use most Missouri and Illinois (non-Chica- go) views of street scenes and Public Buildings. Philip German, Box 195, Quincy, IL 62906.

INDIANA. Stereo views of Lake Maxinkuckee, Culver, IN by Frank M. Lacey, photographer, Vance Block, Indianapolis. 9 views published of camps, clubhouses, etc., c. 1890s. Also 8x10 views. John Cleveland, 1054 East Shore Dr., Culver, IN 46511, (219) 842-3169.

KLONDIKE, ALASKA & HAWAIIAN views wanted, especially by less common publishers. Dawson City balloon ascension views needed. Also need photos, postcards & ephemera from same areas. Ralph Bennett, 416 Gold St., Juneau, AK 99801.

LOUISIANA AND NEW YORK CITY stereo views wanted and daguerreotypes of children with toys or just nicely tinted. Also interesting cameras, other images. TDC Vivid proj. for sale with Selectron changer, case. Larry Berke, 28 Marksman Lane, Levitown, NY 11756-5110, (616) 796-7280. MR. POSTER BUYS 3-D! Paying: Macro Realist, exc w/c $240, F3.5 better cameras, working w/c $70. Buying Custom Realists, mint $400, red button viewers and similar quality units $50 each. Realist or Kodaslide II with AC/DC $75. Buying View-Master cameras working, w/case $110, VM cutters and close-ups $150 each! Always buying 3-D books, accessories, lenses, misc. We'll buy 1 piece or a $10,000 collection. Harry Poster, Box 1883, So. Hack., NJ 07666. Phone days: (201) 794-9606; Fax 24 hours (201) 794-9553. Phone 24 hours (201) 410-7525.

(Classifieds continue on next page)
WANTED

MUYBRIDGE VIEWS - Top prices paid. Also Michigan and Mining - the 3 Ms. Many views available for trade. Leonard Walle. 47530 Edinborough Lane, Novi, MI 48374.


NEWBURYPORT, MASS. stereo views by Minterth, Moseley, MacIntosh, Reed and others. Buy or trade. Scott Nason, 12 Marlboro St., Newburyport, MA 01950, (508) 462-2953.


REALIST SLIDES, complete kits, red button viewer, 60 slide & viewer storage case that was used by the auto industry in promotions, especially by Oldsmobile in 1950 & 1951. Eddie Rezac, 245 E. 67th St., Wahoo, NE 68066, (402) 443-3991 or 443-4470.

SINGLE VIEWS, or complete sets of "Longfellow's Wayside Inn" done by D. C. Osborn, Artist, Assabet, Mass., Lawrence M. Rochette, 169 Woodland Drive, Marlborough, MA 01752.

SLIDE CARRIER, for TDC 116 projector. C. Simms (619) 757-7116.

STEREO CARDS (Views) from Wisconsin; cities of Milwaukee, Waukesha, Temptleton, Pewaukee, Oconomowoc, Watertown, Hartland, Sussex, send Xeroxes to Rick Tyler, 115 W. Newhall Ave., Waukesha, WI 53186 or phone (414) 549-0478.

STEREO DSS, ambrotypes & tintsytpes, all unusual photograph cases 1840-70 with or without images, thermostaticad and others. Charles Curb, 307 College, Clarksville, AR 72830.

WANTED


STEREO VIEWS by Edward L. Wilson from "Scenes in the Orient" series. Will purchase or trade your wants in stereo views. Arthur Farrell, 33 E. 5th St., Huntington Station, NY 11746.

STEREO VIEWS of Scorton, PA., Carbondale, PA, and Stroudsburg, PA, especially street views or any showing streetcars. Charles Wrobleski, 206 Green St., Clark's Green, PA 18411.


TO BUY OR TRADE. Boer War stereo cards. Write. Nic Van Gudthoorn, PO Box 529, Klana, NSW 2533, Australia. FAX +61-47-515545.

TOSHIBA 3-D video camcorder. Write to: Noland Carter, 7547 Santa Monica Blvd., W. Hollywood, CA 90049, (213) 876-2357.


VM REELS #5121 Adelaide; #1907 Madurodam; #1915 Rotterdam; #1916 Rotterdam Expo. Black light attachment Model E VM. Rheem reeels, literature. Laura deVries, 4179 Ward Drive NE, Salem, OR 97305, (503) 390-3539.

WEST VIRGINIA stereo views by Kirk, Chase, Prickett, Bishop Bros., and others. Also, WV real photo postcards, CDVs and cabinet cards. Tom Prall, PO Box 155, Weston, WV 26452.

WALES, WHALING, OR BOSTON HARBOR stereo views, including of dolphins or the harbor islands. Send photocopies of front & back & price to: P. Barresi, 29 Concord Ave. #307, Cambridge, MA 02138.

WOLFBORO AND LAKE WINSPIESAUKE, New Hampshire, stereo views. In addition desire views of early movie theatre fronts, pre-1915, from anywhere in the US. Dave Bowers, Box 1224, Wolfeboro, NH 03894.

ARCHIVAL SLEEVES: clear 2.5-mil Polypropylene

<table>
<thead>
<tr>
<th>Product</th>
<th>Price 100</th>
<th>Price Case 1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDV (3 3/4&quot; X 4 3/4&quot;)</td>
<td>$7</td>
<td>$60</td>
</tr>
<tr>
<td>CDV POLYESTER (2.5-mil)</td>
<td>$10</td>
<td>$90</td>
</tr>
<tr>
<td>POSTCARD (3 3/4&quot; X 5 3/4&quot;)</td>
<td>$8</td>
<td>$70</td>
</tr>
<tr>
<td>POSTCARD PAGE 4-pocket top load</td>
<td>$10</td>
<td>$90</td>
</tr>
<tr>
<td>4&quot; X 6&quot;</td>
<td>$8</td>
<td>$70</td>
</tr>
<tr>
<td>#6 COVER</td>
<td>$8</td>
<td>$70</td>
</tr>
<tr>
<td>#6 COVER (4 3/8&quot; X 6 3/8&quot;)</td>
<td>$12 or 3 mil</td>
<td>$16</td>
</tr>
<tr>
<td>#10 COVER (4 3/8&quot; X 6 3/8&quot;)</td>
<td>$10</td>
<td>$90</td>
</tr>
<tr>
<td>5&quot; X 7&quot;</td>
<td>$7</td>
<td>$60</td>
</tr>
<tr>
<td>8&quot; X 10&quot;</td>
<td>$8</td>
<td>$60</td>
</tr>
<tr>
<td>11&quot; X 14&quot;</td>
<td>$8</td>
<td>$60</td>
</tr>
<tr>
<td>16&quot; X 20&quot; (unsealed flap)</td>
<td>$8</td>
<td>$60</td>
</tr>
</tbody>
</table>

Russell Norton, PO Box 1070, New Haven, CT 06504-1070

3-D Treasures  
(Continued from page 31)

Polarizers were missing, but there was an obvious extra channel between the slide carrier slot and the lens assembly. Using 0.030" polarizer material at the standard 45° angles we cut a pair to fit the slots. We cleaned the lenses and seemed ready for a test. Then it was discovered that the slide carrier was for a non-standard Verascope slide mount size, with outer dimensions of 37mm high by 106mm wide. (Realist format is 41mm x 101mm.) The center-to-center distance and length to be about 80 to 90mm markings, but we guess the focal mounts, so, at least for a test, it was close enough that we could project by manually centering a standard mount in the carrier.

The lenses have no names or markings, but we guess the focal length to be about 80 to 90mm (shorter than a normal TDC projector). They are in individual screw focus mounts. Vertical and horizontal adjustments are made by moving the little "joysticks" protruding at the outside end of each lens. These allow independent up and down, side-to-side and even diagonal movement of each lens. It does not lend itself to small fine-tuned adjustments.

In the end, the projector actually does work, although we would not consider it a practical or desirable replacement for any of the more common stereo projectors. One would also need to construct a Realist format slide carrier. There is no blackout curtain between slide changes, and the adjustments are a bit tricky to make while projecting.

The projector came in its original carrying case, with one slide carrier for the 37x106mm slide mounts fitted onto a neat holder on the lid of the case. There are also fitted holders for three other carriers that were not included. One appears obviously for separate twin 35mm (2x2") mounted slides, while the other is for mono 35mm slides. The fourth holder does not reveal an obvious slide format size.

Our original Jules Richard Co. literature is limited, but the earliest price list we have listing the projector is from May 1952 at a price of 95,000 Francs — a guess is about $250 US. The design style and the non-standard slide carrier would lead us to guess, however, that the projector was introduced several years earlier — possibly even before the first TDC model. There is no serial number, and we don’t have a clue as to how many may have been made. To us it is certainly a 3-D Treasure. ☑

HASSLE-FREE 3-D
WITH THE TECO-NIMSLO CAMERA AND 3-VIEWER

Use the lightweight auto-exposure camera to make:
• 36 Slide pairs
• Close-ups at 3 distances
• Lenticular Prints

Use the Universal viewer to display:
• Realist and View-Master rollfilm
• Nimslo/Nishika rolls
• Mounted slide pairs

PRICES:
• New camera........................ $145
• Your Nimslo modified ......... $63
• Close-up attachments
  8", 12", 30" dist’s (ea) ...... $29
• Opti-Lite flash .................. $29
• Eveready case.................. $12
• Teco 3-Viewer.................. $87

Add $3 shipping per order.
Calif. residents add 7½% sales tax.

MFD. BY:
TECHNICAL ENTERPRISES
1401 Bonnie Doone
Corona Del Mar, CA 92625
Tel. 714-644-9500

ELEVENTH ANNUAL SPRING
D.C. Antique Photo Show
"The #1 Antique Photo Image Show in the USA"

60 tables of stereoviews, CDVs, Daguerreotypes, photographs, etc.

Sunday
13 March, 1994
10 AM - 5 PM

Public Admission $5

Rosslyn Westpark Hotel Ballroom
Arlington, VA
1900 N. Ft. Myer Dr.

Preview admission 8:30 AM $20
Boston show: 20 March
Fall DC show: 2 October

Managed by Russell Norton
PO Box 1070,
New Haven, CT 06504
(203) 562-7800

FIFTH ANNUAL SPRING
Boston Antique Photo Show
"The #1 Antique Photo Image Show in the NE"

50 tables of stereoviews, CDVs, Daguerreotypes, photographs, etc.

Sunday
20 March, 1994
10 AM - 5 PM

Public Admission $5

Westford Regency Hotel Ballroom
I-495 exit 32 to route 110 W.
Westford, MA

Preview Admission 8:30 AM $20

DC Show: 13 March
Fall Boston Show: 25 September

Managed by Russell Norton
PO Box 1070
New Haven, CT 06504
(203) 562-7800

STEREO WORLD  November/December 1993
Looking like an industrial machine of the 1930s or a double-barreled death ray for Ming the Merciless in the old Flash Gordon serials or something that would have been at home in Dr. Frankenstein's laboratory, the Verascope Stereo Projector was designed for slides from the famous Jules Richard Verascope F 40 stereo camera. For more on this rare projector, see the 3-D Treasures column on page 29.