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In this post, youll find 24 dysarthria exercises, strategies, and treatment ideas for your adult speech therapy patients. As always, we added extras to make your life easier, including step-by-step instructions, word lists, reading materials, and free PDFs. Bookmark this page to open during treatment. Or feel free to copy and print the resources in this
article. For pre-made handouts and materials, visit our shop! Popular Articles Dysarthria is a motor speech disorder caused by weakness of the speech muscles. Dysarthria are stroke, ALS, and Parkinsons Disease. When deciding which dysarthria treatments to choose,
focus on your patients underlying impairment. To do this, ask yourself: What signs and symptoms am I seeing? Will speech therapy improve their ability to communicate more naturally and intelligibly? If yes, what subsystem is impacting their speech naturally and intelligibly? If yes, what subsystem is impacting their ability to communicate more naturally and intelligibly? If yes, what subsystem is impacting their speech naturally and intelligibly? If yes, what subsystem is impacting their speech naturally and intelligibly? If yes, what subsystem is impacting their speech naturally and intelligibly? If yes, what subsystem is impacting their speech naturally and intelligibly? If yes, what subsystem is impacting their speech naturally and intelligibly? If yes, what subsystem is impacting their speech naturally and intelligibly? If yes, what subsystem is impacting their speech naturally and intelligibly? If yes, what subsystem is impacting their speech naturally and intelligibly? If yes, what subsystem is impacting their speech naturally and intelligibly? If yes, what subsystem is impacting their speech naturally and intelligibly? If yes, what subsystem is impacting their speech naturally and intelligibly? If yes, what subsystem is impacting their speech naturally and intelligibly? If yes, what subsystem is impacting their speech naturally and intelligibly? If yes, what subsystem is impacting their speech naturally and intelligibly? If yes, what subsystem is impacting their speech naturally and intelligibly? If yes, what subsystem is impacting their speech naturally and intelligibly? If yes, what subsystem is impacting their speech naturally and intelligibly? If yes, what subsystem is impacting their speech naturally and intelligibly? If yes, what subsystem is impacting their speech naturally and intelligibly and intelligibly and intelligibly and intelligibly and intelligibly.
home. And encourage caregivers to use their listener strategies. More on those below. Remember that the ultimate goal of dysarthria therapy is to improve your patients quality of lifewhich you can only identify by listening to their wants and needs. Always start there! When treating dysarthria, keep in mind how an injured brain recovers. Use the
principles of neuroplasticity and motor learning to make your speech therapy treatment as effective as possible. Principles of neuroplasticity: Use it and improve it. The more you practice a specific brain function, the more that function will improve. Be
specific. Brain changes happen in the parts of the brain being activated. Repetition. You need a certain threshold of intensity (e.g., length of exercise, number of sessions) to induce neuroplasticity. But, this is not true for neuromuscular
disease (i.e. ALS). Time Matters. Different forms of neuroplasticity happen at different times in the brain injury recovery process. However, treating earlier is usually better. Salience. Meaningful activity maximizes neuroplasticity, older brains can still change (but at a slower rate).
Transference. Neuroplasticity from one training experience (e.g. loud speech) sometimes transfers to or enhances related skills (swallowing). Interference. Not all neuroplasticity from one training experience (e.g. loud speech) sometimes transfers to or enhances related skills (swallowing). Interference on how to
use these principles in your speech therapy practice. And read The Principles of Motor Learning for more ways to maximize your motor speech treatment. Practice the sound groups that your patient is having trouble with while offering helpful cues and feedback. During articulation treatment, give: Phonetic placement cues (how to position the
mouth, tongue, lips, or jaw during speech) Biofeedback about positioning (use a mirror, take pictures or video, etc.) Models of correct positioning Encouragement! For more articulation exercises and materials, visit our shop. Treat articulation by using a hierarchy of speech sounds: 1. Sounds in Isolation 2. Syllables Puh Paw Pee Poo Buh Bee Boo Bow
Muh Me Mow My 3. Words Page Peace Peer Puck Peek Bake Beak Bed Bash Beef Meat Maze Move More Met 4. Longer words Parking Painful Polite Peaceful Package Birthday Bottle Baggage Breathy Boyish Marvel Master Molar Minimal Multitude 5. Minimal pairs Ten/Hen Name/Lame Lane/Lake Cut/Cup Knit/Sit Pass/Pad Zen/Pen Gain/Game
                                                          is the word The word is Two bananas Credit Card Rest Area Good Luck Local bank The end Left turn only How are you? Aphasia Readers offers free PDF practice phrases, organized by theme (holidays, pets, etc.) 7. Sentences for Dysarthria Treatment Good to see you! I hope to arrive early. Take one
pill with water. The best bookseller for board books is in Boston. Pass the pepper to my plate. Must we move to Montana on Monday? 8. Conversations for Dysarthria Treatment What is your favorite season and why? What would you do if you were
25 again? Coffee or tea? Why? 9. Fun Bonus! Tongue Twisters Peter Piper picked a peck of pickled peppers She sells seashore Which wristwatches? Seventy-seven benevolent elephants Betty bought some butter, but the butter butter butter butter butter butter butter How
much wood would a woodchuck chuck if a woodchuck could chuck wood? Many an anemone sees an enemy anemone A skunk sat on a stump thunk the stump and thunk the stump the stump that the stump the stump that the stump that the stump that the stump the stump that the
the pacing board in front of the patient. For moderate or severe dysarthria, have the patient practice reading short phrases or sentences, pointing to one dot per syllable on the pacing board. Increase the challenge to longer sentences, pointing to one dot per syllable on the patient practice reading short phrases or sentences, pointing to one dot per syllable on the patient point to one dot per syllable during simple
conversations. For milder dysarthria, start pointing to one dot per syllable at the sentence level and while holding a conversation, as appropriate. Download our free pacing board. Non-speech oral motor exercises are widely used by speech-language pathology professionals to improve
articulation. Examples include lip and tongue strengthening and range of motion exercises. Theres currently not enough evidence to either support or refute whether non-speech oral motor exercises improve articulation (Lass & Pannbacker, 2008; Mackenzie et al, 2014; McCauley et al, 2009). ASHAs Practice Portal does recommend using a shaping
technique (phonetic derivation) as a treatment option. For example, shaping blowing into /u/. While this technique uses non-speech elements to improve articulation, its goal is to produce specific target sounds. This is different from oral motor exercises, which aim to strengthen weak muscles and/or improve muscle coordination. If you believe that
your patients would benefit from non-speech oral motor exercise, we recommend reading the literature and making your own evidence-based decision. Signal The StartLet your listener know when youre about to start talking. You can lift your hand, make eye contact, write it down, etc. Name the TopicSay 2-3 words to set your topic. Keep it
SimpleUse easier words and sentence structures. Use GesturesPoint, use hand gestures, shrug, shake your head, use facial expressions, etc. to help make your point. Signal the EndAvoid interruptions by holding up one finger. Signal when youre finished by holding out your palm to the listener. Use a Pen and Paper or Alphabet BoardWrite the first
letter of the word youre trying to say on a pad of paper/whiteboard or use an alphabet board. Download our free Differential Diagnosis Chart if you need help telling the difference between dysarthria, aphasia, and apraxia of speech. Teach your patients the following clear speech strategies by reading increasingly longer tasks
out loud. See the hierarchy of reading tasks below for word lists. TALK BIG Over-articulate TALK SHORTTake breaths more often; insert pauses every few words For more intelligibility exercises and materials, visit our shop. Have patients practice the intelligibility tips and clear speech strategies with a hierarchy of
reading tasks. Start where your patients are at, then increase the challenge as they improve. 1. Phrases Click for a list of phrases. 2. Sentences Click for a list of phrases. 2. Sentences Click for a list of phrases. 3. Paragraphs JaToya took her dogs out for a walk. Their normal route was blocked by construction, but the new route she chose was beautiful. They walked over two miles
Washington State is known for being a rainy place. This is not unfounded, as some of its cities have over 140 rainy days per year. Washington is only the 29th rainiest state. The frequency of rainy days in the western part of the state makes it a green
vibrant place most of the year. Locals know to invest in good waterproof jackets. Osaka, pronounced OH-saw-ka, is the second-largest cities in the world, with a population of over 20 million people. Osaka is considered Japans economic center. It is home to electronics giants Panasonic, Sharp, and Sanyo. Osaka
is also one of the most expensive cities in the world to live inmore expensive even than New York City or Los Angeles. 4. Page-Level Reading To keep treatment functional and patient-centered, its best to use books, magazines, or other materials that your patient is already reading. For free classic books in the public domain, check out Project
Gutenberg. Pride and Prejudice by Jane Austen It is a truth universally acknowledged, that a single man in possession of a good fortune, must be in want of a wife. However little known the feelings or views of such a man may be on his first entering a neighbourhood, this truth is so well fixed in the minds of the surrounding families, that he is
considered as the rightful property of some one or other of their daughters. My dear Mr. Bennet made no answer. Do not you want to
know who has taken it? cried his wife impatiently. Youwant to tell me, and I have no objection to hearing it. This was invitation enough. Why, my dear, you must know, Mrs. Long says that Netherfield is taken by a young man of large fortune from the north of England; that he came down on Monday in a chaise and four to see the place, and was so
much delighted with it that he agreed with Mr. Morris immediately; that he is to take possession before Michaelmas, and some of his servants are to be in the house by the end of next week. What is his name? Bingley. Is he married or single, my dear, to be sure! A single man of large fortune; four or five thousand a year. What a fine thing
for our girls! How so? how can it affect them? My dear Mr. Bennet, replied his wife, how can you be so tiresome! You must know that I am thinking of his marrying one of them. Is that his design in settling here? Design! nonsense, how can you talk so! But it is very likely that hemayfall in love with one of them, and therefore you must visit him as soon
as he comes. I see no occasion for that. You and the girls may go, or you may send them by themselves, which perhaps will be still better, for as you are as handsome as any of them, Mr. Bingley might like you the best of the party. My dear, you flatter me. I certainly have had my share of beauty, but I do not pretend to be anything extraordinary now.
When a woman has five grown-up daughters, she ought to give over thinking of her own beauty. In such cases, a woman has not often much beauty to think of. But, my dear, you must indeed go and see Mr. Bingley when he comes into the neighbourhood. It is more than I engage for, I assure you. But consider your daughters. Only think what an
establishment it would be for one of them. Sir William and Lady Lucas are determined to go, merely on that account, for in general, you know, they visit no newcomers. Indeed you must go, for it will be impossible forusto visit him, if you do not. You are over scrupulous, surely. I dare say Mr. Bingley will be very glad to see you; and I will send a few
lines by you to assure him of my hearty consent to his marrying whichever he chooses of the girls; though I must throw in a good word for my little Lizzy. I desire you will do no such thing. Lizzy is not a bit better than the others; and I am sure she is not half so handsome as Jane, nor half so good-humoured as Lydia. But you are always givingherthe
preference. They have none of them much to recommend them, replied he; they are all silly and ignorant like other girls; but Lizzy has something more of quickness than her sisters. Signs and symptoms of impaired phonation: Decreased ability to phonate Abnormal pitch and pitch breaks Excessive loudness Abnormal vocal quality Speaking only in
short phrases These exercises are for people who cant phonate at all. They aim to build the patients who cant phonate due to vocal cord paralysis. Refer patients with vocal fold weakness or paralysis to an ENT or voice specialist.
Patient Instructions: Breath in slowly for 3 seconds Hold your breath for 3 seconds Release the air slowly for 3 seconds Continue breathing in this controlled manner Now, when you exhale, hold out these sounds for as long as you can: hhha, hhhoe, hhhi, hhhow, whho
sssah, ssso, ssseee, sssow, sssue thhhaw, thhho, thhhee, thhhow, thhhee, the force of vocal fold adduction. Clasp hands together, then squeeze the palms together as hard as
possible If seated on a chair, grasp the sides of the seat and pull upward or push downward with abnormal vocal quality and too much loudness. Treat hyperadduction by practicing light articulatory contacts (articulators move and touch
lightly) and easy phonation (exhale then slowly turn on the voice). Practice these strategies with light sounds: Light Sounds HaHowHoeHeHiWhoHeyHallHoseHotHoleHearHugHam LSVT LOUD, SPEAK OUT!, and Pitch Limiting Voice Treatment are three evidence-based voice treatments for people with Parkinsons Disease. LSVT LOUD increases
vocal intensity by focusing on high phonatory effort to think loud and speak loud. SPEAK OUT! emphasizes that patients to speak loud and low to increase vocal intensity without excessive pitch or hypertension of laryngeal muscles. To
learn more about these treatments, read LSVT LOUD vs SPEAK OUT! vs PLVT. For more phonation exercises and materials, visit our shop. Image from emst150.com Respiratory muscle strength training exercises and materials, visit our shop. Image from emst150.com Respiratory muscle strength training exercises and materials, visit our shop. Image from emst150.com Respiratory muscle strength training exercises and materials, visit our shop. Image from emst150.com Respiratory muscle strength training exercises and materials, visit our shop.
unintelligible because they run out of breath. RMST includes both expiratory muscle strength training (EMST) and inspiratory muscle strength training (IMST). EMST and IMST use handheld devices that a patient exhales or inhales forcefully into. The device offers resistance, only opening and allowing airflow when a certain threshold of effort is
reached. Examples are the EMST 150 (pictured above) and the POWERbreathe Medic. Encourage your patient to sit upright to improve breath support for speech. Position yourself, materials, communication partners, etc. in a way that facilitates an upright posture. Patient Instructions: Put one hand on your stomach and your other hand on your
chest. Feel your stomach rise and fall with each inhale and exhale. Repeat for one minute. When you breathe in: Your stomach muscles and feel them pull in. The hand on your chest should remain still. Breathe in, feeling your stomach push out. As you
breathe out, say the following sounds and words, remaining aware of your stomach slowly pulling in. Start with voiceless sounds like, ass and shh. Hold each for as long as you can Gradually work up to words, phrases, and
sentences Teach the inspiratory checking technique to patients who run out of air when they speak. Take as deep a breath as possible. Hold for a few seconds. Feel how full your lungs and stomach feel. Relax your body as you exhale. Repeat a few times. Inhale 50% and
speak. Say sentences as soon as you begin exhaling: My name is My birthday is Once the patient has mastered short sentences, move on to longer, functional tasks. Read texts, menus, or book passages aloud. Encourage them to use this technique when speaking in everyday life. Click for step-by-step treatment instructions. Print out reading material
then add slash marks between words to denote a new breath group. Where you put the slash marks will depend on each patients skill level. Patient Instructions: Use your breath support strategies (from the above exercises) while saying the following. You may take breaths as needed. Who, what, where, when why, how Monday, Tuesday, Wednesday,
Thursday, Friday, Saturday, Sunday One, two, three, four, five, six, seven, eight, nine, ten Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune January, February, March, April, May, June, July, August, September, October, November, December She had three soft feathers For more respiration exercises and materials, visit our shop. The
goal of treating prosody is to help vour patients speech sound more natural and intelligible. Patient Instructions: To improve your prosody, emphasize the bold word in each sentence. Emphasize the bold word in each sentence as much as you can! Try using a sing-song voice, like a school
teacher. How areYOU?HowAREyou?HOWare you?WhereISshe?Where isSHE?WHEREis she?I dontKNOWIdont knowIDONTknowWhat a lovelyDAY. For more sentences, check out the Motor Speech Pack onour shop. Patient Instructions: Improve your
prosody by emphasizing the bolded heteronym in each pair of sentences below. Emphasize how each is pronounced by increasing the loudness and pitch of your voice. Exaggerate as much as possible! The subject was pretty boring. Please relay my
message to your boss. The project was a relay race of tasks. She can be such a rebel when she hears the bad news. Teach each patients communication partners the following listener tips. Use these tips if you have a hard time understanding what a loved one is saying. Give your full attention Listen and watch the entire
time the person is speaking Confirm the topicCheck that you and the speaker are both on the same topic Are we still talking about? Use keywordsRefer back to words the speaker said to try to create a full narrative You said dinner. Were you talking about? Use keywordsRefer back to words the speaker are both on the same topic Are we still talking about? Use keywordsRefer back to words the speaker are both on the same topic Are we still talking about? Use keywordsRefer back to words the speaker are both on the same topic Are we still talking about? Use keywordsRefer back to words the speaker are both on the same topic Are we still talking about? Use keywordsRefer back to words the speaker are both on the same topic Are we still talking about? Use keywordsRefer back to words the speaker are both on the same topic Are we still talking about? Use keywordsRefer back to words the speaker are both on the same topic Are we still talking about? Use keywordsRefer back to words the speaker are both on the same topic Are we still talking about? Use keywordsRefer back to words the speaker are both on the same topic Are we still talking about? Use keywordsRefer back to words the speaker are both on the same topic Are we still talking about? Use keywordsRefer back to words the speaker are both on the same topic Are we still talking about? Use keywordsRefer back to words the speaker are both on the same topic Are we still talking about?
wordIf the speaker is especially hard to understand, repeat each word they say. Confirm that each word is correct before moving on to the next word Set ground rulesTo avoid frustration, have a set number of times the speaker tries to say something before they take a break or use AAC Learn more about the different types of AAC in How To Make An
E-Tran Board. Ways to Use an Alphabet Board The patient spells out the entire word The entire word The patient spells out the entire word The entire wor
letter Confirm each letter the patient chooses by saying it aloud Only guess a word when youre 90% sure you know what the word is For AAC boards and materials, check out our shop. Image from amazon.com Personal amplifiers increase the loudness of a patients voice in noisy settings, like in a restaurant or a store. It helps others understand them
better and also helps patients avoid yelling and fatigue. Personal amplifiers are available for sale at major retailers, including Amazon.com. See the Alphabet Board section above. Here are environment modifications to help your patients be understood more easily: Choose a quiet setting. Turn off the TV and fans, shut the window, etc. Choose an area
with good lighting Avoid visual distractions Make sure that the speaker and communication partner are face-to-face and close enough Have a communication board or a notepad and pencil handy Use videoconferencing (FaceTime, Zoom, etc.) instead of phone calls Telecommunications Relay Service offers a specially trained communication assistant
to mediate phone calls for patients (the Americans with Disabilities Act requires telephone companies to provide the service for free) Read Environmental Modifications for Parkinsons Disease. Patients with their PCP to recommend an
ENT, prosthodontist, dentist, plastic surgeon, etc. referral, as appropriate. Learn more about how to treat resonance and hypernasality. Visit our shop for pre-made dysarthria in adults[Practice portal]. Retrieved Jan, 2024 from
Brewer, C. (2021). The Adult Speech Therapy Workbook. Harmony Road Design Communication and Dysarthria, Hypokinetic. Cinahl Informations Systems. Kleim, J.A.; Jones, T.A. (2008) Principles of experience-dependent neural
plasticity: implications for rehabilitation after brain damage. J Speech Lang Hear Res. 51(1):S225-39 Lass, N.J. & Pannbacker, M. (2008). The application of evidence-based practice to non speech oral motor treatment. Language, Speech, and Hearing Services in Schools, 39, 408-421. Levitt, JS. & Walker-Batson, D. (2018). The Effects of The Speak
with Intent Instruction for Individuals with Parkinsons disease. Journal of Communications Disorders and Assistive Technology, 1, 1-15. Mackenzie, C., Muir, M., Allen, C., & Jensen, A. (2014). Non-speech pro-motor exercises in post-stroke dysarthria intervention: a randomized feasibility trial. International Journal of Language & Communication
Disorders, 49(5), 602-617. McCauley, R.J., Strand, E., Lof, G.L., Schooling, T. & Frymark, T. (2009). Evidence-Based Systematic Review: Effects of Nonspeech Oral Motor Exercises on Speech. American Journal of Speech-Language Pathology, 18, 343-360. In this post, youll find 24 dysarthria exercises, strategies, and treatment ideas for your adult
speech therapy patients. As always, we added extras to make your life easier, including step-by-step instructions, word lists, reading materials, and free PDFs. Bookmark this page to open during treatment. Or feel free to copy and print the resources in this article. For pre-made handouts and materials, visit our shop! Popular Articles Dysarthria is a
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am I seeing? Will speech therapy improve their ability to communicate more naturally and intelligibly? If yes, what subsystem is impacting their speech naturalness and intelligibly the most? If no, who should I refer out to? Encourage follow-through at home. And encourage caregivers to use their listener strategies. More on those below. Remember
that the ultimate goal of dysarthria therapy is to improve your patients quality of lifewhich you can only identify by listening to their wants and needs. Always start there! When treating dysarthria, keep in mind how an injured brain recovers. Use the principles of neuroplasticity and motor learning to make your speech therapy treatment as effective as
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brain injury recovery process. However, treating earlier is usually better. Salience. Meaningful activity maximizes neuroplasticity, older brains can still change (but at a slower rate). Transference. Neuroplasticity from one training experience (e.g. loud speech) sometimes transfers to or
enhances related skills (swallowing). Interference. Not all neuroplasticity is good! An example is a compensatory behavior that interferes with regaining the desired function. (Kleim, 2008) Read 10 Principles of Motor Learning for more
ways to maximize your motor speech treatment. Practice the sound groups that your patient is having trouble with while offering helpful cues and feedback. During articulation treatment, give: Phonetic placement cues (how to position the mouth, tongue, lips, or jaw during speech) Biofeedback about positioning (use a mirror, take pictures or video,
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Montana on Monday? 8. Conversations for Dysarthria Treatment What is your favorite season and why? What would you do if you inherited a million dollars? What are your favorite sporting events and why? What would you do if you more appears She
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short phrases or sentences, pointing to one dot per syllable on the pacing board. Increase the challenge to longer sentences, paragraphs, etc. As they get used to self-pacing, have the patient point to one dot per syllable at the sentence level and while holding a
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year. Washington rain, however, is usually a drizzle. When measuring the total inches of rain per year, Washington is only the year. Locals know to invest in good waterproof jackets. Osaka, pronounced OH-saw-ka, is the second
largest city in Japan. It is also one of the largest cities in the world, with a population of over 20 million people. Osaka is also one of the most expensive cities in the world to live inmore expensive even than New York City or Los Angeles. 4. Page
Level Reading To keep treatment functional and patient-centered, its best to use books, magazines, or other materials that your patient is already reading. For free classic books in the public domain, check out Project Gutenberg. Pride and Prejudice by Jane Austen It is a truth universally acknowledged, that a single man in possession of a good
fortune, must be in want of a wife. However little known the feelings or views of such a man may be on his first entering a neighbourhood, this truth is so well fixed in the minds of the surrounding families, that he is considered as the rightful property of some one or other of their daughters. My dear Mr. Bennet, said his lady to him one day, have you
heard that Netherfield Park is let at last? Mr. Bennet replied that he had not. But it is, returned she; for Mrs. Long has just been here, and she told me all about it. Mr. Bennet made no objection to hearing it. This was invitation enough
Why, my dear, you must know, Mrs. Long says that Netherfield is taken by a young man of large fortune from the north of England; that he agreed with Mr. Morris immediately; that he is to take possession before Michaelmas, and some of his
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something more of quickness than her sisters. Signs and symptoms of impaired phonation: Decreased ability to phonate so that they can
move on to the more advanced exercises described below. These are NOT for patients who cant phonate due to vocal cord paralysis. Refer patients with vocal fold weakness or paralysis to an ENT or voice specialist. Patient Instructions: Breath in slowly for 3 seconds Release the air slowly for 3 seconds Continue
breathing in this controlled manner Now, when you exhale, hold out these sounds for as long as you can: hhha, hhhoe, thhhow, thhow, thou says the controlled manner Now, the controlled manner 
shhhaow, shhhoe Use effort closure techniques to treat hypoadduction of the vocal folds. These techniques aim to increase the force of vocal fold adduction. Clasp hands together, then squeeze the palms together as hard as possible If seated on a chair, grasp the sides of the seat and pull upward or push downward with both hands Interlace hands and
push outward Patients with hyperadduction of the vocal folds may present with abnormal vocal quality and too much lightly) and easy phonation (exhale then slowly turn on the voice). Practice these strategies with light sounds: Light Sounds
HaHowHoeHeHiWhoHeyHallHoseHotHoleHearHugHam LSVT LOUD, SPEAK OUT!, and Pitch Limiting Voice Treatment are three evidence-based voice treatments for people with Parkinsons Disease. LSVT LOUD increases vocal intensity by focusing on high phonatory effort to think loud and speak loud. SPEAK OUT! emphasizes that patients speak
 with intent to produce a stronger, clearer voice. And Pitch Limiting Voice Treatment (PLVT) teaches patients to speak loud and low to increase vocal intensity without excessive pitch or hypertension of laryngeal muscles. To learn more about these treatments, read LSVT LOUD vs SPEAK OUT! vs PLVT. For more phonation exercises and materials,
visit our shop. Image from emst150.com Respiratory muscle strength training exercises treat respiratory muscle strength training (EMST) and inspiratory muscle
strength training (IMST). EMST and IMST use handheld devices that a patient exhales or inhales forcefully into. The device offers resistance, only opening and allowing airflow when a certain threshold of effort is reached. Examples are the EMST 150 (pictured above) and the POWERbreathe Medic. Encourage your patient to sit upright to improve
breath support for speech. Position yourself, materials, communication partners, etc. in a way that facilitates an upright posture. Patient Instructions: Put one hand on your stomach and your other hand on your stomach pushes out.
The hand on your chest should remain still. When you breathe out: Tighten your stomach muscles and feel them pull in. The hand on your chest should remain still. Breathe in, feeling your stomach push out. As you breathe out, say the following sounds and words, remaining aware of your stomach slowly pulling in. Start with voiceless sounds like, sss
and shh. Hold each for as long as you can Gradually work up to vowel sounds like, ahh and ooh Work up to single words like, hello and your first name Gradually work up to wards longer words, phrases, and sentences Teach the inspiratory checking technique to patients who run out of air when they speak. Take as deep a breath as possible. Hold for a
few seconds. Feel how full your lungs and stomach feel. Repeat a few times. Inhale 50% and speak. Say sentences as soon as you begin exhaling:My name is My birthday is Once the patient has mastered short sentences, move on to longer
functional tasks. Read texts, menus, or book passages aloud. Encourage them to use this technique when speaking in everyday life. Click for step-by-step treatment instructions. Print out reading material then add slash marks will depend on each patients skill level. Patient
Instructions: Use your breath support strategies (from the above exercises) while saying the following. You may take breaths as needed. Who, what, where, when why, how Monday, Tuesday, Friday, Saturday, Sunday One, two, three, four, five, six, seven, eight, nine, ten Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Instructions: Use your breath support strategies (from the above exercises) while saying the following. You may take breaths as needed. Who, what, where, when why, how Monday, Tuesday, Friday, Saturday, S
Neptune January, February, March, April, May, June, July, August, September, October, November, December She had three soft feathers For more respiration exercises and materials, visit our shop. The goal of treating prosody is to help your patients speech sound more natural and intelligible. Patient Instructions: To improve your prosody
emphasize the bold word in each sentence. Emphasize the word by speaking it louder and with a higher pitch than the other words. Exaggerate as much as you can! Try using a sing-song voice, like a school teacher. How are YOU? How AREyou? HOW are you? Where is SHE? WHERE is she? I dont KNOW Idont know IDONT know What
aFUNNYstory!WHATa funny story!WHATa funny story!WHATa lovely day.What a lovelyDAY. For more sentences, check out the Motor Speech Pack onour shop. Patient Instructions: Improve your prosody by emphasizing the
loudness and pitch of your voice. Exaggerate as much as possible! The subject was a relay race of tasks. She can be such a rebel when shes angry. She will rebel when she hears the
bad news. Teach each patients communication partners the following listener tips. Use these tips if you have a hard time understanding what a loved one is saying. Give your full attention is speaking Confirm the topicCheck that you and the speaker are both on the same topic Are we still talking about? Use
keywordsRefer back to words the speaker said to try to create a full narrative You said dinner. Were you talking about dinner with your family next week? Encourage writing, drawing, or gesturing Repeat each word is correct before moving on to the
next word Set ground rulesTo avoid frustration, have a set number of times the speaker tries to say something before they take a break or use AAC Learn more about the different types of AAC in How To Make An E-Tran Board. Ways to Use an Alphabet Board The patient spells out the
entire word The patient spells out the code for a message on a code board Tips for Listeners Make sure that the alphabet board is always within the patients reach letter Confirm each letter Confirm each letter the patients reach letter the patients rea
boards and materials, check out our shop. Image from amazon.com Personal amplifiers increase the loudness of a patients voice in noisy settings, like in a restaurant or a store. It helps others understand them better and also helps patients avoid yelling and fatigue. Personal amplifiers are available for sale at major retailers, including Amazon.com
See the Alphabet Board section above. Here are environment modifications to help your patients be understood more easily: Choose an area with good lighting Avoid visual distractions Make sure that the speaker and communication partner are face-to-face and close enough Have
a communication board or a notepad and pencil handy Use videoconferencing (FaceTime, Zoom, etc.) instead of phone calls for patients (the Americans with Disabilities Act requires telephone companies to provide the service for free) Read
Environmental Modifications for Parkinsons Disease. Patients with velopharyngeal incompetence may benefit from surgery or a prosthesis to improve hypernasal resonance. Speak with their PCP to recommend an ENT, prosthodontist, dentist, plastic surgeon, etc. referral, as appropriate. Learn more about how to treat resonance and hypernasality
Visit our shop for pre-made dysarthria treatment activities, handouts, wordlists, and much more! American Speech-Language-Hearing Association. (n.d.). Dysarthria in adults [Practice portal]. Retrieved Jan, 2024 from Brewer, C. (2021). The Adult Speech Therapy Workbook. Harmony Road Design Communication and Dysarthria (2018). American
Stroke Association. Retrieved Jan, 2024 from Kanapathy, N. (2018). Clinical Review: Dysarthria, Hypokinetic. Cinahl Informations Systems. Kleim, J.A.; Jones, T.A. (2008) Principles of experience-dependent neural plasticity: implications for rehabilitation after brain damage. J Speech Lang Hear Res. 51(1):S225-39 Lass, N.J. & Pannbacker, M. (2008)
The application of evidence-based practice to non speech oral motor treatment. Language, Speech, and Hearing Services in Schools, 39, 408-421. Levitt, JS. & Walker-Batson, D. (2018). The Effects of The Speak with Intent Instruction for Individuals with Parkinsons disease. Journal of Communications Disorders and Assistive Technology, 1, 1-15.
Mackenzie, C., Muir, M., Allen, C., & Jensen, A. (2014). Non-speech pro-motor exercises in post-stroke dysarthria intervention: a randomized feasibility trial. International Journal of Language & Communication Disorders, 49(5), 602-617. McCauley, R.J., Strand, E., Lof, G.L., Schooling, T. & Frymark, T. (2009). Evidence-Based Systematic Review:
Effects of Nonspeech Oral Motor Exercises on Speech. American Journal of Speech-Language Pathology, 18, 343-360. ,the free encyclopedia that anyone can edit.117,937 active editors 7,000,592 articles in EnglishBeach on Nosy KombaNosy KombaNosy Komba is a small volcanic island in Madagascar, situated between Nosy Be and the northwest coast of the
main island. The lowlands of the island are divided between secondary forest and a patchwork of farmland and plantations (notably including shade-grown coffee), while the highlands are mainly scrubland, with a bamboo forest in the northern portions. Ampangorina is the main village and administrative center. The island attracts significant
ecotourism, thanks in part to its black lemurs. During the early 1800s, the region was heavily settled by Sakalava refugees and their slaves fleeing the hegemony of the Merina. France gained control of the island in 1840 and converted it to a logistic center for the import of indentured servants. Although Nosy Komba hosts a traditionally protected
forest and an arboretum established in the colonial era, protection for the latter is essentially unenforced, and illegal logging continues. Only small pockets of old-growth forest remain, in remote areas. (Fullarticle...)Recently featured: McDonnell Douglas Phantom in UK serviceTransportation during the 2024 Summer Olympics and ParalympicsRhine
campaign of 1796ArchiveBy emailMore featured articlesAboutHal Hanson... that while picking his Minnesota "team of the century", Dick Cullum said that Hal Hanson (pictured) "made brave men wince"?... that Soviet trophy brigades systematically looted art and even moved entire factories from Central and Eastern Europe during and after World
WarII?... that the only copy of El Apstol, widely considered to be the first animated feature film, was lost in a fire?... that colonial-era bureaucrat Tan Jin Sing's close relationship with Europeans led to the saying that he was "no longer a Chinese, not yet a Dutchman, a half-baked Javanese"?... that Solomon Islands at the 2024 Summer Olympics were
represented by the only all-female delegation at the games?... that one candidate in the 1990 United States Senate election in Tennessee began the campaign with $1,000 in campaign funds, while the other began with $1,000 in campaign funds, whil
flight took off and crashed a few minutes later?... that Indonesian radio presenters Muhammad Farhan and Indy Barends co-hosted a 32-hour nonstop radio show in 2001, setting a national record which they held until 2019?... that in one year, 166,000 people visited a three-bedroom house with a garage that stood amid New York City's skyscrapers?
ArchiveStart a new articleNominate an articleJafar Panahi pictured) wins the Final Four Playoff. It Was Just an Accident (director Jafar Panahi pictured) wins the Palme d'Or at the Cannes Film Festival. Author Banu Mushtaq and translator Deepa Bhasthi win the International Booker Prize for Heart
Lamp: Selected Stories. Nicuor Dan is elected as president of Romania. In the Portuguese legislative election, the Democratic Alliance wins the most seats in parliament. Ongoing: Gaza warM23 campaignRussian invasion of UkrainetimelineSudanese civil wartimelineRecent deaths: Peter DavidAlan YentobGerry ConnollySebastio SalgadoAlfredo
PalacioMarthe CohnNominate an articleMay 28: Republic Day in Armenia (1918); Independence Day in Azerbaijan (1918) Mozaffar ad-Din585BC According to the Greek historian Herodotus, a solar eclipse, accurately predicted by Thales of Miletus, abruptly ended the Battle of Halys between the Lydians and the Medes. 1644 English Civil War: Royalis
troops stormed and captured the Parliamentarian stronghold of Bolton, leading to a massacre of defenders and local residents. 1901 Mozaffar ad-Din (pictured), Shah of Persia, granted exclusive rights to prospect for oil in the country to William Knox D'Arcy. 1937 The rise of Neville Chamberlain culminated with his accession as Prime Minister of the
anniversaries: May 27May 28May 29ArchiveBy emailList of days of the yearAboutThe Hell Gate Bridge is a railroad bridge in New York City, United States. The bridge carries two tracks of Amtrak's Northeast Corridor and one freight track between Astoria, Queens, and Port Morris, Bronx, via Randalls and Wards Islands. Its main span is a 1,017-foot
(310m) steel through arch across Hell Gate, a strait of the East River that separates Wards Island from Queens. The New York Connecting Railroad began construction of the bridge in 1912, and it opened in 1917. The main span, a two-hinged arch flanked by stone towers on either bank of Hell Gate, was the world's longest steel arch bridge until the
Bayonne Bridge opened in 1931. It is one of the few rail connections from Long Island, of which Queens is part, to the rest of the United States. This panoramic photograph shows the main span of the Hell Gate Bridge, with Wards Island on the left of
the image and Astoria on the right. A tugboat tows a barge in the foreground towards the Hell Gate Bridge. Photograph credit: Rhododendrites Recently featured pictures Community portal The central hub for editors, with resources, links, tasks, and
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other uses, see 1918 (disambiguation). Calendar yearYearsMillennium2ndmillennium2nd
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Tuesday of the Gregorian calendar and a common year starting on Monday of the Julian calendar, the 1918th year of the 20th century, and the 9th year of the 20th century, and the 9th year of the 1910s decade. As of the start of 1918, the Gregorian calendar was 13 days ahead
of the Julian calendar, which remained in localized use until 1923. Calendar year The ceasefire that effectively ended the First World War took place on the eleventh hour of the eleventh month of this year. Also in this year, the Spanish flu pandemic killed 50100million people worldwide. In Russia, this year runs with only 352 days.
As the result of Julian to Gregorian calendar switch, 13 days needed to be skipped. Wednesday, January 31 (Julian Calendar) was immediately followed by Thursday, February 16: The Act of Independence of LithuaniaMain article: January 1918January 1918 flu pandemic: The
 "Spanish flu" (influenza) is first observed in Haskell County, Kansas, I llanuary 4 The Finnish Declaration of Independence is recognized by Soviet Russia. Sweden, Germany and France January 8 American president Woodrow Wilson presents the Fourteen Points as a basis for peace negotiations to end the war January 9 Battle of Bear Valley: U.S.
troops engage Yaqui Native American warriors in a minor skirmish in Arizona. This is one of the last battles of the American Indian Wars between the United States and Native American strain, the first purpose-designed aircraft carrier to be laid down. The Red Army (The Workers and Peasants Red Army)
is formed in the Russian SFSR and Soviet Union. January 18 The Historic Concert for the Benefit of Widows and Orphans of Austrian and Hungarian Soldiers is held at the Konzerthaus, Vienna. [2] January 19 The Russian Democratic Federative Republic but is dissolved by the Bolshevik government on the
same day, January 22 The Ukrainian People's Republic declares independence from Bolshevik Russian Soviet Federative Socialist Republic, January 27 The Finnish Civil War begins with the Battle of Kmr. January 28 Porvenir massacre: Texas Rangers, U.S. Cavalry soldiers and
local ranchers kill 15 unarmed Mexican villagers, both men and boys. Main article: February 1918February 3 Battle of OuluFebruary 5 The SSTuscania is torpedoed off the Irish coast; it is the first ship carrying American troops to Europe to
be torpedoed and sunk. February 23: Estonian Declaration of Independence February 10 Deposed Sultan of the Ottoman Empire Abdul Hamid II dies in Istanbul. February 13 A magnitude (Mw) 7.2 earthquake shakes the
Chinese city of Shantou leaving 1,000 dead and causing a moderate tsunami.[4] February 14 Russia switches from the Julian calendar to the Gregorian 
or any other state. February 18 Operations against the Marri and Khetran tribes in Balochistan by British authorities begin. February 19 WWI: The Imperial Russian Navy evacuates Tallinn through thick ice, over the Gulf
of Finland. February 23 Estonian Declaration of Independence from Russia, after seven centuries of foreign rule; German forces capture Tallinn the following day. Main article: March 1918March 1 WWI: German submarine U-19 sinks HMSCalgarian off Rathlin Island, Northern Ireland. March 3 WWI: The Central Powers and Bolshevist Russia sign the
Treaty of Brest-Litovsk, ending Russia's involvement in the war. March 6The Finnish Army Corps of Aviation is founded as a forerunner of the Finnish Army Corps of Aviation is founded as a forerunner of the Finnish Army Corps of Aviation is founded as a forerunner of the Finnish Army Corps of Aviation is founded as a forerunner of the Finnish Army Corps of Aviation is founded as its symbol, as a tribute to the Swedish explorer and aviator Eric von Rosen, who donated the first plane. Von Rosen had painted
the Viking symbol on the plane as his personal lucky insignia.[5]The first pilotless drone, the Hewitt-Sperry Automatic Airplane development is scrapped in 1925, after its guidance system proves unreliable. March 7 WWI: Finland forms an
alliance with Germany, March 8 WWI: The Battle of Tell 'Asur is launched by units of the British Army's Egyptian Expeditionary Force against Ottoman defences from the Mediterranean Sea, across the Judaean Mountains to the edge of the Jordan Valley; it ends on March 12, with the move of much of the front line north into Ottoman territory. March
12 Moscow becomes the capital of Soviet Russia. March 15 Finnish Civil War: The battle of Tampere begins. [6] March 19 The United States Congress establishes time zones, and approves daylight saving time (DST goes into effect on March 31). March 21 July 18 WWI: The Spring Offensive by the German Army along the Western Front fails to make a
breakthrough, despite large losses on each side, including nearly 20,000 British Army dead on the first day, Operation Michael, on the Somme. March 21 WWI: The First Transjordan attack on Amman by units of the Egyptian Expeditionary Force begins, with the passage of the Jordan River. March 23WWI: The giant German cannon, the 'Paris Gun'
(Kaiser Wilhelm Geschtz), begins to shell Paris from 114km (71mi) away. In London at the Wood Green Empire, Chung Ling Soo (William E. Robinson, U.S.-born magician) dies during his trick, where he is supposed to "catch" two separate bullets (but one of them perforates his lung). He dies the following morning in a hospital. March 25The Belarusian
People's Republic declares independence. Karl Muck, music director of the Boston Symphony Orchestra, is arrested under the Alien Enemies Act, and imprisoned for the duration of WWI. March 26 Marie Stopes publishes her influential book Married Love in the U.K. March 27 WWI. The First Battle of Amman is launched by units of the Egyptian
Expeditionary Force, during the First Transjordan attack on Amman; it ends with their withdrawal on 31 March, back to the Jordan Valley. March Days: Bolshevik and Armenian Revolutionary Federation forces suppress a Muslim revolt in Baku, Azerbaijan, resulting in up to 30,000 deaths. Main article: April 1918Styles of Lucy, Lady Duff-
Gordon, as presented in a vaudeville circuit pantomime and sketched by Marguerite Martyn of the St. Louis Post-Dispatch in April 1918April 1 The Royal Flying Corps and the Royal Flyin
on the throne until her death in 1965. April 6 Finnish Civil War: The battle of Tampere ends. [6] April 8 Operations against the Marri and Khetran tribes in Balochistan end with surrender to the British authorities. April 9 Union of Bessarabia with Romania: Bessarabia votes to become part of the Kingdom of Romania. April 21 WWI: Manfred von
Richthofen, "The Red Baron", the war's most successful fighter pilot, dies in combat at Morlancourt Ridge near the Somme River. April 22 Armenia, Azerbaijan, and Georgia declare their independence from Russia as the Transcaucasian Democratic Federative Republic. April 23 WWI. Conscription Crisis of 1918 in Ireland: A general strike is held here
against conscription. Zeebrugge Raid: The British Royal Navy attempts to seal off the German U-boat base here. [7] First Ostend Raid: The British Royal Navy unsuccessfully attempts to seal off the German U-boat base here.
years in prison. April 30 WWI: The Second Transjordan attack on Shunet Nimrin and Es Salt, launched by units of the Egyptian Expeditionary Force, ends on 4 May, with their withdrawal back to the Jordan Valley. Main article: May 1918May 1 WWI: German troops enter Don Host Oblast; they capture Rostov-on-Don on May 8. May 2 General Motors
acquires the Chevrolet Motor Company of Delaware. May 7 WWI: The British Royal Navy unsuccessfully attempts, for a second time, to seal off the German U-boat base here. May 11 The Mountainous Republic of the Northern Caucasus is officially established. May 12 - The HMTOlympic rams
into the SM U-103, sinking it. resulting in the deaths of 9 peopleMay 14 The Three Minute Pause, initiated by the daily firing of the Noon Gun on Signal Hill, is instituted by Cape Town Mayor Sir Harry Hands. It will inspire the introduction of the two-minute silence in November 1919.[8]May 15The Finnish Civil War ends. The United States Post Office
Department begins the world's third regular airmail service, between New York City, Philadelphia and Washington, D.C.[9]May 16 The Sedition Act of 1918 is approved by the U.S. Congress. May 20 The small town of Codell, Kansas is hit for the third year in a row, on the same date, by a tornado. May 21 The United States Army Aviation Section is
separated from the Signal Corps, and divided into the Division of Military Aeronautics and the Bureau of Aircraft Production. May 24 Women in Canada, excluding residents of Quebec, are granted the right to vote in federal elections. [10] May 26 The Transcaucasian Democratic Federative Republic is abolished; Georgia declares its independence as the
Democratic Republic of Georgia, May 27 WWI: The Third Battle of the Aisne commences, May 28 Armenia and the Azerbaijan Democratic Republic respectively. May 29 WWI: The week-long Battle of Sardarabad concludes with defending Armenia and the Azerbaijan Democratic Republic of Sardarabad concludes with defending Armenia and the Azerbaijan Democratic Republic of Sardarabad concludes with defending Armenia and the Azerbaijan Democratic Republic of Sardarabad concludes with defending Armenia and the Azerbaijan Democratic Republic of Sardarabad concludes with defending Armenia and the Azerbaijan Democratic Republic of Sardarabad concludes with defending Armenia and the Azerbaijan Democratic Republic of Sardarabad concludes with defending Armenia and the Azerbaijan Democratic Republic of Sardarabad concludes with defending Armenia and Sardarabad concludes with the S
Ottomans.May 2930 WWI: Battle of Skra di Legen The Greek National Defence Army Corps defeats the Bulgarians.June 10: Austro-Hungarian battleship Szent Istvn Sunk by Italian torpedo boatsSzent Istvn Main article: June 1918JuneAugust The "Spanish flu" becomes pandemic.[11] Over 30million people die in the following 6 months.June 1 WWI: The
Battle of Belleau Wood begins. June 4 RMS Kenilworth Castle, one of the Union-Castle Line steamships, collides with her escort, the cruiser HMS Rent. June 8 V603 Aquilae, the brightest nova observed since Kepler's of 1604, is discovered. June 10 WWI: The Austro-Hungarian dreadnought
battleship SMS Szent Istvn is sunk by two Italian MAS motor torpedo boats off the Dalmatian coast. June 12 Grand Duke Michael of Russia is murdered, thereby becoming the first of the Romanovs to be killed by the Bolsheviks. WWI: The first airplane bombing raid by an American unit in France is carried out. June 16 The Declaration to the Seven, a
British government response to a memorandum issued anonymously by seven Syrian notables, is published. June 22 Suspects in the Chicago Restaurant Poisoning restaurant response to a memorandum issued anonymously by seven Syrian notables, is published. June 22 Suspects in the Chicago Restaurant response to a memorandum issued anonymously by seven Syrian notables, is published. June 22 Suspects in the Chicago Restaurant response to a memorandum issued anonymously by seven Syrian notables, is published. June 22 Suspects in the Chicago Restaurant response to a memorandum issued anonymously by seven Syrian notables, is published. June 22 Suspects in the Chicago Restaurant response to a memorandum issued anonymously by seven Syrian notables, is published. June 23 Suspects in the Chicago Restaurant response to a memorandum issued anonymously by seven Syrian notables, is published. June 24 Suspects in the Chicago Restaurant response to a memorandum issued anonymously by seven Syrian notables, is published. June 24 Suspects in the Chicago Restaurant response to a memorandum issued anonymously by seven Syrian notables, is published. June 25 Suspects in the Chicago Restaurant response to a memorandum issued anonymously by seven Syrian notables, is published.
Science, Arts and Industries opens in New York; Brazil is the only international exhibitor and the exposition closes at the end of the season.[12]Main article: July 1918July 3 Allied intervention in the Russian Civil War. July 4 Mehmed VI
succeeds as Sultan of the Ottoman Empire on the death of his half-brother Mehmed V (Red, who has reigned since 1909), himself reigning until the Sultanate is abolished in 1922. July 12 The Imperial Japanese Navy battleship Kawachi blows up off Tokuyama, Yamaguchi, western Honshu, Japan, killing at least 621. July 13 The National Czechoslovak
Committee is established. July 14 The film The Glorious Adventure is released in the United States, featuring Mammy Lou, who becomes one of the Marne: The battle begins near the River Marne, with a German attack. July 14 Quentin Roosevelt, Theodore
Roosevelt's youngest son, is killed in action during the Second Battle of the RMSTitanic) is torpedoed and sunk off the east coast of Ireland, by Imperial German Navy submarine U-55; 218 of the 223 on board are rescued.[13]Execution of
the Romanov family: By order of the Bolshevik Party, and carried out by the Cheka, former emperor Nicholas II, his wife Alexandra Feodorovna, their children, Olga, Tatiana, Maria, Anastasia, Alexei and retainers are shot at the Ipatiev House, in Ekaterinburg, Russia. July 21 WWI: Attack on Orleans Imperial German submarine SMU-156 surfaces and
fires on a small convoy of barges and defending flying boats off the Cape Cod town of Orleans, Massachusetts.[14]Main article: August 1918August 2 WWI: Australian hospital ship HMATWarilda is torpedoed and sunk
in the English Channel on passage from Le Havre to Southampton by German submarine SMUC-49 with the loss of 123 of the 801 people on board. [16] August 8 WWI: Battle of Amiens British, Canadian and Australian troops begin a string of almost continuous victories, the 'Hundred Days Offensive', with an 8-mile push through the German front
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lines, taking 12,000 prisoners. German General Erich Ludendorff later calls this the "black day of the German Army".[17]August 10 Russian Revolution: The British commander in Archangel is told to help the White Russians. August 16 The Battle of Lake Baikal is fought by the Czechoslovak legion, against the Red Army. August 21 WWI: The Second Battle of the Somme begins. August 23 The Bessarabian Peasants' Party is created. August 27 Battle of Ambos Nogales: U.S. Army forces skirmish against Mexican Carrancistas and their German advisors at Nogales, Arizona, in the only battle of WWI fought on United States soil. August 30In response to the October Revolution in Russia, Vladimir Lenin is shot and wounded by Fanny Kaplan in Moscow, but survives. [18] Moisei Uritsky, the Petrograd head of the Cheka, is assassinated. August 30: Attempted assassination of Lenin, depicted by Vladimir PchelinMain article: September 1918 September 1

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Russia publishes the first official announcement of the Red Terror, a period of repression against political opponents, as an "Appeal to the Working Class" in the newspaper Izvestia. [19] September 5 Russian Civil War: The Kazan Operation of the Red Terror, a period of repression against political opponents, as an "Appeal to the Working Class" in the newspaper Izvestia.
 begins. The event continues for 5 days, and solidifies the Red Army's power in Russia over the White Army begins. September 12 WWI: Battle of Havrincourt The British take a German salient. September 14 WWI: The Balkan front offensive by the Serbian Army begins. September 12 WWI: Battle of Havrincourt The British take a German salient. September 12 WWI: Battle of Havrincourt The British take a German salient. September 12 WWI: Battle of Havrincourt The British take a German salient. September 12 WWI: Battle of Havrincourt The British take a German salient. September 12 WWI: Battle of Havrincourt The British take a German salient. September 12 WWI: Battle of Havrincourt The British take a German salient. September 12 WWI: Battle of Havrincourt The British take a German salient. September 12 WWI: Battle of Havrincourt The British take a German salient. September 12 WWI: Battle of Havrincourt The British take a German salient. September 12 WWI: Battle of Havrincourt The British take a German salient. September 12 WWI: Battle of Havrincourt The British take a German salient. September 12 WWI: Battle of Havrincourt The British take a German salient. September 12 WWI: Battle of Havrincourt The British take a German salient. September 12 WWI: Battle of Havrincourt The British take a German salient. September 12 WWI: Battle of Havrincourt The British take a German salient. September 12 WWI: Battle of Havrincourt The British take a German salient. September 12 WWI: Battle of Havrincourt The British take a German salient. September 12 WWI: Battle of Havrincourt The British take a German salient. September 12 WWI: Battle of Havrincourt The British take a German salient. September 12 WWI: Battle of Havrincourt The British take a German salient. September 12 WWI: Battle of Havrincourt The British take a German salient. September 12 WWI: Battle of Havrincourt The British take a German salient. September 12 WWI: Battle of Havrincourt The British take a German salient take a German salient take a German salient take a German sa
1518 WWI: Battle of Dobro Pole in the Vardar Offensive of the Balkans Campaign: The Allied Army of the Orient defeats Bulgarian defenders. September 19 WWI: Battle of pehy British Army's Egyptian Expeditionary Force launches the Battle of Megiddo,
incorporating the Battle of Sharon, and the Battle of Sharon, and the Battle of Tulkarm, and the Battl
in the Jordan Valley begins. September 20 WWI: The British Army); Capture of Afulah and Beisan by the Australian Mounted Division, almost encircling the Yildirim Army Group still in
the Judaean Mountains. September 25 WWI: The Battle of Haifa, Battle of Amman, with the subsequent capture at Ziza of the Ottoman II Corps, and more than 10,000 Ottoman and German
prisoners. September 26 WWI: The Meuse-Argonne Offensive begins, the largest and bloodiest operation of the American Expeditionary Forces. The Capture of Damascus begins, with the Charge at Irbid by the 4th Cavalry Division. September 27 WWIThe Battle of the Canal du Nord, launched by British and Empire forces, continues the
 advance towards the Hindenburg Line. The Battle of Jisr Benat Yakub, launched by the Australian Mounted Division, continues the advance towards the Hindenburg Line. Bulgaria requests an armistice, with the Armistice of Salonica being signed and
coming into force the next day. September 30 WWI: The Charge at Kaukab is begun by units of the Australian Mounted Corps' advance to Damascus. Main article: October 1 WWI: The Desert Mounted Corps captures Damascus. October 2 WWI:
The Charge at Khan Ayash is begun north of Damascus, by the 3rd Light Horse Brigade. October 3Kaiser Wilhelm II of Germany appoints Max von Baden Chancellor of Germany. King Ferdinand I of Bulgaria abdicates in the wake of the Bulgaria military collapse in WWI. He is succeeded by his son, Boris III. WWI: The Pursuit to Haritan by the Desert
 Mounted Corps begins. October 4 Wilhelm II of Germany forms a new, liberal government to sue for peace. The T. A. Gillespie Company Shell Loading Plant explosion in New Jersey kills 100+, and destroys enough ammunition to supply the Western Front for 6 months. October 7 The Regency Council (Poland) declares Polish independence from the
German Empire, and demands that Germany cede the Polish provinces of Pozna, Upper Silesia and Polish Pomerania. October 8 WWI: In the Forest of Argonne in France
U.S. Corporal Alvin C. York almost single-handedly kills 25 German soldiers and captures 132.October 9 Landgrave Prince Frederick Charles of Hesse is elected King of Finland. October 11 The magnitude (Mw) 7.1 San Fermn earthquake shakes Puerto Rico with a maximum Mercalli intensity of IX (Violent), killing 76116 people. A destructive tsunami
contributes to the damage and loss of life.October 12 Cloquet Fire: The city of Cloquet, Minnesota, and nearby areas are destroyed in a fire, killing 453.October 16 Emperor Karl IV of Austria publishes the Vlkermanifest manifesto, declaring the Cisleithanian part of the empire will be federalized on the basis of national councilsOctober 18 The
 Washington Declaration proclaims the independent Czechoslovak Republic. October 21 German representatives of the Reichsrat in Austria-Hungary form the Provisional National Assembly for German-AustriaOctober 24 WWI: The Battle of Vittorio Veneto opens. October 25 WWI: Aleppo is captured, by Prince Feisal's Sheifial Forces. The steamer
 Princess Sophia sinks on Vanderbilt Reef near Juneau, Alaska; 353 people die, in the greatest maritime disaster in the Pacific Northwest.October 26 WWI Charge at Haritan: Units of the Desert Mounted Corps battle with Ottoman forces for the last time in WWI.October 26 WWI Charge at Haritan: Units of the Desert Mounted Corps battle with Ottoman forces for the last time in WWI.October 26 WWI Charge at Haritan: Units of the Desert Mounted Corps battle with Ottoman forces for the last time in WWI.October 26 WWI Charge at Haritan: Units of the Desert Mounted Corps battle with Ottoman forces for the last time in WWI.October 26 WWI Charge at Haritan: Units of the Desert Mounted Corps battle with Ottoman forces for the last time in WWI.October 26 WWI Charge at Haritan: Units of the Desert Mounted Corps battle with Ottoman forces for the last time in WWI.October 26 WWI Charge at Haritan: Units of the Desert Mounted Corps battle with Ottoman forces for the last time in WWI.October 27 WWI.October 28 WWI Charge at Haritan: Units of the Desert Mounted Corps battle with Ottoman forces for the last time in WWI.October 28 WWI Charge at Haritan: Units of the Desert Mounted Corps battle with Ottoman forces for the last time in WWI.October 28 WWI Charge at Haritan: Units of the Desert Mounted Corps battle with Ottoman forces for the last time in WWI.October 28 WWI Charge at Haritan: Units of the Desert Mounted Corps battle with Ottoman forces for the last time in WWI.October 28 WWI Charge at Haritan: Units of the Desert Mounted Corps battle with Ottoman forces for the Units of the Desert Mounted Corps battle with Ottoman forces for the Desert Mounted Corps battle with Ottoman forces for the Units of the Desert Mounted Corps battle with Ottoman forces for the Desert Mounted Corps battle with Ottoman forces for the Desert Mounted Corps battle with Ottoman forces for the Desert Mounted Corps battle with Ottoman forces for the Desert Mounted Corps battle with Ottoman forces for the Desert Mounted Corps battle with Ottoman forces for t
government is declared in Western Galicia (Eastern Europe).October 29The Wilhelmshaven mutiny of the German High Seas Fleet breaks out. The State of Slovenes, Croats and Serbs declares its independence from Austria-Hungary. October 30The Martin Declaration is published, including Slovakia in the formation of the Czecho-Slovak state. The
Armistice of Mudros ends conflict between the Ottoman Empire and the Allies of World War I, and grants independence to the Mutawakkilite Kingdom of Yemen. October 31 Revolution overthrows the pro-Habsburg government in Hungary, effectively dissolving the Austro-Hungarian Empire. Main article: November 1918 November 17 The
93 dead. November 3WWI: The Armistice of Villa Giusti is signed between Austria-Hungary and the Allies near Padua. Poland declares its independence from Russia. German Revolution: Kiel mutiny by sailors in the German fleet at Kiel while throughout northern Germany soldiers and workers begin to establish revolutionary councils on the Russian
 soviet model. November 4 WWI: The Armistice of Villa Giusti comes into effect, ending warfare between Italy and Austria-Hungary on the Italian Front. November 7 King Ludwig of Bavaria flees his country. November 8 The German army withdraws its support of the Kaiser. The German
Armistice delegation arrives at the Forest of Compigne in France. November 9: Proclamation of Germany abdicates and chooses to live in exile in the Netherlands. Proclamation of the republic in Germany by Philipp Scheidemann in Berlin, on
the Reichstag balcony. One of several significant events on 9 November in German history. Provisional National Council Minister-President Kurt Eisner declares Bavaria to be a republic. British battleship HMSBritannia is sunk by a German submarine off Trafalgar, with the loss of around fifty lives (the last major naval engagement of WWI). Signatories
to the Armistice of 11 November 1918 with Germany, ending WWI, pose outside Marshal Foch's railway carriageNovember 11: Front page of The New York Times on Armistice DayNovember 11End of WWI: Armistice of 11 November
1918 Germany signs an armistice agreement with the Allies, between 5:12 AM and 5:20 AM, in the "Compigne Wagon", Marshal Foch's railroad car, in the Forest of Compigne in France. It becomes (probably) the last killed in action. Poland
 regains independence, after 123 years of partitions. Jzef Pisudski is appointed Commander-in-Chief. Emperor Charles I of Austria gives up his absolute power, but does not abdicate. Loppem Agreements: Start of a series of political meetings between King Albert I and Belgian liberals and socialists. Red Week: Pieter Jelles Troelstra gives a speech calling
 for socialist revolution in the Netherlands. November 12 Austria becomes a republic. November 14Czechoslovakia becomes a republic. The Second Polish Republic is proclaimed with Jzef Pisudski as head of state. The
provisional government of Baden proclaims the "Free People's Republic of Baden" (Freie Volksrepublik Baden). Ernest Louis, Grand Duke of Hesse, is forced from his throne, leading to the establishment of the
 Free State of Mecklenburg-Schwerin. Charles Edward, Duke of Saxe-Coburg and Gotha, announces he is ceasing to rule Saxe-Coburg and Gotha, leading to the establishment of the Hungarian Democratic Republic is declared, marking
 Hungary's independence from Austria. November 18 Latvia declares its independence from Russia. November 20 U-boats start to rendezvous off Harwich, to begin the surrender of the High Seas Fleet to the British Royal Navy; in the following week the German warships are escorted to internment in Scapa Flow. [22] November 21 Lww pogrom: Polish
 troops, volunteers and freed criminals massacre at least 320 Ukrainian Christians and Jews in Lww, Galicia. November 22The Belgian royal family returns to Brussels after the war, King Albert I having commanded the Allied army group in the SeptemberOctober Courtrai offensive, which liberated his country. Frederick II, Grand Duke of Baden,
abdicates; the Grand Duchy of Baden gives way to the Republic of Baden. November 23 British military government of Palestine begins. [23] November 25 General Paul von Lettow-Vorbeck, German commander in German East Africa, signs a ceasefire at Abercorn in Northern Rhodesia. November 26 The Podgorica Assembly ('Great National Assembly of Baden).
the Serb People in Montenegro') votes for a "union of the people" between the kingdoms of Montenegro. [24] November 28 Estonia is established as a Soviet
puppet state in Narva on the next day. November 29 Serbia annexes Montenegro, suspending the latter's existence as a sovereign state for nearly the entirety of the following 88 years. [25] November 1918 December 1By the Danish Icelandic
Act of Union, Iceland regains independence, but remains in personal union with the King of Denmark, who also becomes the King of Iceland. New voting laws in Sweden makes votes no longer dependent on taxable assets, each adult having one vote. The Union of Alba Iulia is proclaimed: Following the March 27 incorporation of Bessarabia and
 Bucovina, Transylvania unites with the Kingdom of Romania. The Kingdom of Serbs, Croats and Slovenes (which later becomes the Kingdom of Yugoslavia) is proclaimed, in particular ending Serbia of the Kingdom of Serbs, Croats and Slovenes (which later becomes the Kingdom of Serbs, Croats and Slovenes).
 SlovenesDecember 4 President Woodrow Wilson departs by ship to the Paris Peace Conference, becoming the first United States President to travel to Europe while holding office. December 5 Estonian War of Independence: The British light cruiser HMSCassandra strikes a mine and sinks near Saaremaa in the Baltic Sea, killing 11 sailors.
 [26]December 6 A magnitude (Mw) 7.2 earthquake shakes British Columbia. December 14Prince Frederick Charles of Hesse renounces the Finnish throne. [27]Portuguese President Sidnio Pais is assassinated. Giacomo Puccini's comic opera Gianni Schicchi premiered at the Metropolitan Opera in New York City. [28]December 16 Vincas Mickeviius-
 Kapsukas declares the formation of the Lithuanian Soviet Socialist Republic, a puppet state created by the Russian SFSR to justify the LithuanianSoviet War.December 17 Darwin Rebellion in Australia: Disaffected workers march on Government House, Darwin, demanding the resignation of the Administrator of the Northern Territory, John A.
Gilruth.December 20 Tom Garrigue Masaryk returns to the Czechoslovak Republic.December 21 Estonian War of Independence: The Red Army captures Tartu, Estonian.December 27 Greater Poland Uprising (191819): Poles in Greater
 Poland (the former Grand Duchy of Posen) rise up against the Germans, ignited by a patriotic speech made in Pozna by pianist and politician Ignacy Jan Paderewski. December 28 Sinn Fin enjoys a landslide victory in Irish seats in the Irish general election (part of the 1918 United Kingdom general election), following the counting of votes, winning 73
of the 105 seats in Ireland. In accordance with their manifesto, Sinn Fin members will not take their seats in the Palace of Westminster but will form the First Dil in Dublin. Countess Constance Markievicz, while detained in Holloway Prison (London), becomes the first woman elected to (but does not take her seat in) the British House of Commons.
[29]December 31 A British-brokered ceasefire ends the two weeks of fighting in the GeorgianArmenian War.Nakajima Aircraft Company, a predecessor of the Subaru car manufacturing company in Japan, is founded in Ota, Gunma Prefecture. [citation needed] [100 Figueiredo Gamal Abdel Nasser Gertrude B. Elion Nicolae Ceauescu January 1 Patrick
 Anthony Porteous, Scottish recipient of the Victoria Cross (d. 2000)January 2 Gudrun Zapf-von Hesse, German typographer, calligrapher and book-binder (d. 2019)January 10 Arthur Chung, 1st President of Guyana (d. 2008)January 11 Kassim Al-Rimawi, Prime Minister of Jordan (d. 1982)January 15Joo Figueiredo, 30th President of Brazil (d.
 1999)Gamal Abdel Nasser, 2nd President of Egypt (d. 1970)January 16 Stirling Silliphant, American writer, producer (d. 1993)George M. Leader, American politician (d. 2013)January 20 Juan Garca Esquivel, Mexican bandleader (d. 2002)January 21Chichy, Filipino actress (d. 1999)George M. Leader, American politician (d. 2013)January 20 Juan Garca Esquivel, Mexican bandleader (d. 2002)January 21Chichy, Filipino actress (d. 1996)George M. Leader, American politician (d. 2013)January 20 Juan Garca Esquivel, Mexican bandleader (d. 2002)January 21Chichy, Filipino actress (d. 1996)George M. Leader, American writer, producer (d. 1996)George M. Leader, American politician (d. 2013)January 20 Juan Garca Esquivel, Mexican bandleader (d. 1900)January 21Chichy, Filipino actress (d. 1906)George M. Leader, American writer, producer (d. 1908)George M. Leader, American writer, producer (d
 1993) Richard Winters, U.S. Army officer (d. 2011)[31] January 22 Elmer Lach, Canadian ice hockey player (d. 2015) January 23 Gertrude B. Elion, American scientist, recipient of the Nobel Prize in Physiology or Medicine (d. 1999)[32] January 24 Oral Roberts, American neo-Pentecostal televangelist (d. 2009) January 26 Nicolae Ceauescu, Romanian
 communist politician and leader (d. 1989)Philip Jos Farmer, American writer (d. 2009)January 27Skitch Henderson, English-born musician, bandleader (d. 1997)John Forsythe, American actor (d. 2010)January 31 Millie Dunn Veasey, African-
American civil rights activist (d. 2018) Joey Bishop, American entertainer, member of the "Rat Pack" (d. 2007) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2007) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2007) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2007) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2007) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2007) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2007) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2007) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2007) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2007) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2007) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2008) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2008) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2008) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2008) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2008) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2008) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2008) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2008) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2008) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2008) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2008) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2008) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2008) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2008) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2008) Helen Stephens, American entertainer, member of the "Rat Pack" (d. 2008) Helen Stephens, American entertainer,
runner (d. 1994)February 4 Ida Lupino, Anglo-American actress, screenwriter, director and producer (d. 1995)February 8 Fred Blassie, American professional wrestler, novelty singer (Pencil Neck Geek) (d.
2003) February 12 Julian Schwinger, American physicist, Nobel Prize laureate (d. 1994) February 15 Smilja Avramov, Serbian academic, authority and educator in international law (d. 2018) February 19 Fay McKenzie, American silent film actress (d. 2019) February 22 Don Pardo,
 American television announcer (Saturday Night Live) (d. 2014)Robert Pershing Wadlow, American tallest man record-holder (d. 1940)February 25Barney Ewell, American tennis player (d. 1995)February 26Herbert Blaize, 6th Prime Minister of Grenada (d. 2019)Bobby Riggs, American tennis player (d. 1995)February 26Herbert Blaize, 6th Prime Minister of Grenada (d. 2019)Bobby Riggs, American tennis player (d. 1995)February 26Herbert Blaize, 6th Prime Minister of Grenada (d. 2019)Bobby Riggs, American tennis player (d. 1995)February 26Herbert Blaize, 6th Prime Minister of Grenada (d. 2019)Bobby Riggs, American tennis player (d. 1996)Miguel Gallastegui, Spanish pelotari (d. 2019)Bobby Riggs, American tennis player (d. 1996)Miguel Gallastegui, Spanish pelotari (d. 2019)Bobby Riggs, American tennis player (d. 1996)Miguel Gallastegui, Spanish pelotari (d. 2019)Bobby Riggs, American tennis player (d. 1996)Miguel Gallastegui, Spanish pelotari (d. 2019)Bobby Riggs, American tennis player (d. 1996)Miguel Gallastegui, Spanish pelotari (d. 2019)Bobby Riggs, American tennis player (d. 1996)Miguel Gallastegui, Spanish pelotari (d. 2019)Bobby Riggs, American tennis player (d. 1996)Miguel Gallastegui, Spanish pelotari (d. 2019)Bobby Riggs, American tennis player (d. 1996)Miguel Gallastegui, Spanish pelotari (d. 19
1989)Lloyd Geering, New Zealand theologian[33]Theodore Sturgeon, American writer (d. 1985)February 28 Alfred Burke, English actor (d. 2011)Joo Goulart, 24th President of Brazil (d. 1976)March 3Arthur
 Kornberg, American biochemist, recipient of the Nobel Prize in Physiology or Medicine (d. 2007)Fritz Thiedemann, German equestrian (d. 2000)March 4 Margaret Osborne duPont, American female tennis player (d. 2012)March 5 James Tobin, American female tennis player (d. 2000)March 4 Margaret Osborne duPont, American female tennis player (d. 2012)March 5 James Tobin, American female tennis player (d. 2000)March 4 Margaret Osborne duPont, American female tennis player (d. 2012)March 5 James Tobin, American female tennis player (d. 2000)March 4 Margaret Osborne duPont, American female tennis player (d. 2001)March 5 James Tobin, American female tennis player (d. 2001)March 6 James Tobin, American female tennis player (d. 2001)March 6 James Tobin, American female tennis player (d. 2001)March 7 James Tobin, American female tennis player (d. 2001)March 8 James Tobin, American female tennis player (d. 2001)March 8 James Tobin, American female tennis player (d. 2001)March 9 James Tobin, American female tennis player (d. 2001)March 9 James Tobin, American female tennis player (d. 2001)March 9 James Tobin, American female tennis player (d. 2001)March 9 James Tobin, American female tennis player (d. 2001)March 9 James Tobin, American female tennis player (d. 2001)March 9 James Tobin, American female tennis player (d. 2001)March 9 James Tobin, American female tennis player (d. 2001)March 9 James Tobin, American female tennis player (d. 2001)March 9 James Tobin, American female tennis player (d. 2001)March 9 James Tobin, American female tennis player (d. 2001)March 9 James Tobin, American female tennis player (d. 2001)March 9 James Tobin, American female tennis player (d. 2001)March 9 James Tobin, American female tennis player (d. 2001)March 9 James Tobin, American female tennis player (d. 2001)March 9 James Tobin, American female tennis player (d. 2001)March 9 James Tobin, American female tennis player (d. 2001)March 9 James Tobin, American female tennis player (d. 2001)March 9 James Tobin, American female tennis player (d. 200
 actress (d. 1999)George Lincoln Rockwell, American Nazi leader (d. 1967)Mickey Spillane, American writer (d. 2006)[35]March 10Gnther Rall, German ace fighter pilot (d. 2009)March 16 Frederick Reines, American physicist,
Nobel Prize laureate (d. 1998)[37]March 17 Viviane Gauthier, Haitian dancer (d. 2016)March 28 Gonzalo Facio Segreda, Costa Rican lawyer, politician, and diplomat (d. 2018)March 29Pearl
Bailey, African-American singer, actress (d. 1990)Sam Walton, founder of Wal-Mart (d. 1992)William HoldenKai SiegbahnFanny Blankers-KoenApril 1 Diarmuid Larkin, Irish artist and art educationist (d. 1989)April 6Alfredo Ovando Canda, 48th President of Bolivia (d. 1982)George Corones, Australian Masters swimmer (d. 2020)April 7 Bobby Doerr
American baseball player (d. 2017)April 8 Betty Ford, First Lady of the United States (d. 2021)April 11 Jean-Claude Servan-Schreiber, French journalist, politician (d. 2018)April 14 Mary Healy, American activist, journalist (d. 2021)April 11 Jean-Claude Servan-Schreiber, French journalist, politician (d. 2018)April 14 Mary Healy, American activist, journalist (d. 2021)April 17 Jean-Claude Servan-Schreiber, French journalist, politician (d. 2018)April 18 Mary Healy, American activist, journalist (d. 2021)April 19 Jrn Utzon, Danish architect (d. 2021)April 19 Jrn Utzon, Danish architect (d. 2018)April 10 H. S. Doreswamy, Indian activist, journalist (d. 2021)April 10 H. S. Doreswamy, Indian activist, journalist (d. 2021)April 10 H. S. Doreswamy, Indian activist, journalist (d. 2021)April 10 H. S. Doreswamy, Indian activist, journalist (d. 2021)April 10 H. S. Doreswamy, Indian activist, journalist (d. 2021)April 10 H. S. Doreswamy, Indian activist, journalist (d. 2021)April 10 H. S. Doreswamy, Indian activist, journalist (d. 2021)April 10 H. S. Doreswamy, Indian activist, journalist (d. 2021)April 10 H. S. Doreswamy, Indian activist, journalist (d. 2021)April 10 H. S. Doreswamy, Indian activist, journalist (d. 2021)April 10 H. S. Doreswamy, Indian activist, journalist (d. 2021)April 10 H. S. Doreswamy, Indian activist, journalist (d. 2021)April 10 H. S. Doreswam, Indian activist, journalist (d. 2021)April 10 H. S. Doreswam, Indian activist, journalist (d. 2021)April 11 Jean-Claude Servan-Serva
2015)[38]April 16 Spike Milligan, Irish comedian (d. 2002)April 17William Holden, American actor (d. 2014)Shinobu Hashimoto, Japanese screenwriter (d. 2018)April 20 Kai Siegbahn, Swedish physicist, Nobel Prize laureate (d. 2007)[39]April 26 Fanny
 Blankers-Koen, Dutch athlete (d. 2004)April 28Karl-Eduard von Schnitzler, East German journalist, host of the television show Der schwarze Kanal (d. 2001)Rodger Young (d. 1943)April 29 Nils stensson, Swedish Olympic cross-country skier (d. 1949)Mike
 WallaceRichard FeynmanEddy ArnoldBirgit NilssonYasuhiro NakasoneMartin LundstromMay 1Jack Paar, American television show host (The Tonight Show) (d. 2004)[40]Li Yaowen, Chinese politician, general and diplomat (d. 2017)May
 6Henrietta Boggs, Costa Rican-American author, journalist and activist (d. 2020)Zayed bin Sultan Al Nahyan, 1st President of the United Arab Emirates (d. 2012)May 11 Richard Feynman, American physicist, Nobel Prize laureate (d. 1988)[41]May 12
 Julius Rosenberg, American-born Soviet spy (d. 1953) May 15 Eddy Arnold, American country music singer (d. 2008) Joseph Wiseman, Canadian actor (d. 2009) 42 May 19 Abraham Pais, Dutch-born American physicist (d. 2000) May 20 Edward B.
 Lewis, American geneticist, recipient of the Nobel Prize in Physiology or Medicine (d. 2004)May 23Frank Mancuso, American major league baseball player, politician (d. 2019)May 28Norbert Franck, Luxembourgish swimmer (d. 2006)Johnny
 Wayne, Canadian comedian (d. 1990)May 30 Martin Lundstrm, Swedish Olympic cross-country skier (d. 2016)May 31 Margaret Todd, Canadian female golfer (d. 2011)June 6 Edwin G. Krebs, American biochemist, recipient of the Nobel Prize in Physiology or
 Medicine (d. 2009)June 8 Robert Preston, American actor (The Music Man) (d. 1987)June 9 John Hospers, American philosopher (d. 2011)June 10 Patachou, French singer (d. 2015)June 17 Derek Barber, Baron Barber of Tewkesbury, British
life peer (d. 2017)Ajahn Chah Subaddho, Buddhist teacher (d. 1992)Ral Padilla (alias El Chato), Mexican actor (d. 1994)June 18Jerome Karle, American chemist, Nobel Prize laureate (d. 2003)ranco Modigliani, Italian-born economist, Nobel Prize laureate (d. 2013)Franco Modigliani, Italian-born ec
Lindberg, Swedish pole vaulter (d. 2004)Tibor Szele, Hungarian mathematician (d. 1955)Josephine Webb, American engineer (d. 2005)[45]Yeoh Ghim Seng, Singaporean politician, acting President of Singapore (d. 1993)June 24Myroslav Ivan Lubachivsky,
Ukrainian Catholic bishop (d. 2000)Yong Nyuk Lin, Singaporean politician (d. 2012)June 26Ellen Liiger, Estonian actress (d. 1987)Leo Rosner, Polish-born Austrian Jewish musician (d. 2010)June 27Willy Breinholst, Danish humorist, writer (d. 2009)Adolph Kiefer, American Olympic swimmer (d. 2017)[46]June 29 Heini Lohrer, Swiss ice hockey player
(d. 2011)June 30 Jackie Roberts, Welsh footballer (d. 2003)Ingmar BergmanBertram BrockhouseNelson MandelaPaul D. BoyerJuly 1Ahmed Deedat, South African writer, public speaker (d. 2003)July 2Athos Bulco, Brazilian painter, sculptor (d. 2008)Indumati Bhattacharya, Indian politician (d. 1990)July 3 Lorenzo
 Robledo, Spanish actor (d. 2006)July 4King Tufahau Tupou IV of Tonga (d. 2006)Alec Bedser, English cricketer (d. 2010)Eric Bedser, English cricketer (d. 2010)Miguel ngel Sanz Bocos, Spanish fighter pilot (d. 2012)Nikos Papatakis, Greek Ethiopian-born naturalised French filmmaker (d. 2010)Miguel ngel Sanz Bocos, Spanish fighter pilot (d. 2010)Eric Bedser, English cricketer (d. 2006)July 4King Tufahau Tupou IV of Tonga (d. 2006)Alec Bedser, English cricketer (d. 2010)Eric Bedser, Eng
2018)July 6Sebastian Cabot, English actor (d. 1977)Francisco Moncion, Dominican-American dancer, charter member of New York City Ballet (d. 1995)July 7 Jing Shuping, Chinese businessman (d. 2009)Oluf Reed-Olsen, Norwegian
 resistance member, pilot (d. 2002) July 9 Jarl Wahlstrm, Salvation Army general (d. 1999) July 12 Mary Glen-Haig, British Olympic fencer (d. 2014) July 13 Alberto Ascari, Italian racing driver (d. 2010) [47] Ingmar Bergman, Swedish film director (d. 2007[48]) Jay Wright
 Forrester, American computer scientist (d. 2016)[49]July 15Paddy Bassett, New Zealand scientist (d. 2019)Bertram Brockhouse, Canadian physicist, Nobel Prize laureate (d. 2003)Brenda Milner, Canadian neuropsychologistJuly 16Bayani Casimiro, Filipino dancer and actor (d. 1989)Pituka de Foronda, Spanish actress (d. 1999)July 17 Carlos Manuel
Arana Osorio, 35th President of Guatemala (d. 2003)July 18Lia Dorana, Dutch comedian, actress (d. 2010)Nelson Mandela, 1st President of South Africa and recipient of the Nobel Peace Prize (d. 2013)July 20 Auur Laxness, Icelandic writer, craftsperson (d. 2012)July 21 Elsa Kobberstad, Norwegian schoolteacher, politician (d. 2007)July 22 Lila
Zali, Georgian-born American prima ballerina (d. 2003)July 24 Antonio Candido, Brazilian literary critic, sociologist (d. 2017)Ruggiero Ricci, Italian-born violinist (d. 2012)July 29 Edwin O'Connor, American novelist, Pulitzer Prize for Fiction winner (d. 2017)Ruggiero Ricci, Italian-born violinist (d. 2018)July 29 Edwin O'Connor, American novelist, Pulitzer Prize for Fiction winner (d. 2018)July 28 Penaia Ganilau, 1st President of Fiji (d. 1993)July 29 Edwin O'Connor, American novelist, Pulitzer Prize for Fiction winner (d. 2018)July 29 Edwin O'Connor, American novelist, Pulitzer Prize for Fiction winner (d. 2018)July 29 Edwin O'Connor, American novelist, Pulitzer Prize for Fiction winner (d. 2018)July 29 Edwin O'Connor, American novelist, Pulitzer Prize for Fiction winner (d. 2018)July 29 Edwin O'Connor, American novelist, Pulitzer Prize for Fiction winner (d. 2018)July 29 Edwin O'Connor, American novelist, Pulitzer Prize for Fiction winner (d. 2018)July 29 Edwin O'Connor, American novelist, Pulitzer Prize for Fiction winner (d. 2018)July 29 Edwin O'Connor, American novelist, Pulitzer Prize for Fiction winner (d. 2018)July 29 Edwin O'Connor, American novelist, Pulitzer Prize for Fiction winner (d. 2018)July 29 Edwin O'Connor, American novelist, Pulitzer Prize for Fiction winner (d. 2018)July 29 Edwin O'Connor, American novelist, Pulitzer Prize for Fiction winner (d. 2018)July 29 Edwin O'Connor, American novelist, Pulitzer Prize for Fiction winner (d. 2018)July 29 Edwin O'Connor, American novelist, Pulitzer Prize for Fiction winner (d. 2018)July 29 Edwin O'Connor, American novelist, Pulitzer Prize for Fiction winner (d. 2018)July 29 Edwin O'Connor, American novelist, Pulitzer Prize for Fiction winner (d. 2018)July 20 Edwin O'Connor, American novelist, Pulitzer Prize for Fiction winner (d. 2018)July 20 Edwin O'Connor, American novelist, Pulitzer Prize for Fiction winner
 1968) July 31 Vicente Almeida d'Ea, Portuguese colonial administrator (d. 2018) Paul D. Boyer, American chemist, Nobel Prize laureate (d. 2018) Hank Jones, American pianist (d. 2010) [51] Bruria Kaufman Frederick Sanger Shankar Dayal Sharma Leonard Bernstein Katherine Johnson Aslam Khan Alejandro Agustn Lanusse August 1 Artur Brauner, German
 film producer and entrepreneur (d. 2019)Zhou Xuan, Chinese singer, actress (d. 1957)August 2 Dada Vaswani, Indian spiritual leader (d. 2018)August 3 Cheng Kaijia, Chinese nuclear physicist and engineer (d. 2018)August 4 Noel Willman, Irish actor (d. 1988)August 5 Kondapalli Koteswaramma, Indian communist leader, feminist, revolutionary and
 writer (d. 2018)Betty Oliphant, co-founder of National Ballet of Canada (d. 2004)August 12 Guy Gibson, British bomber pilot, leader of the "Dam Busters" raid (d. 1944)August 13Noor Hassanali, 2nd President of Trinidad and Tobago (d. 2006)Frederick Sanger, English biochemist, double Nobel Prize laureate (d. 2013)August 19 Shankar Dayal
 Sharma, 9th President of India (d. 1999) August 20 Crystal Bennett, British archaeologist, pioneering researcher on Jordan (d. 1987) August 21 Bruria Kaufman, American physicist (d. 2010) August 23 Bernard Fisher,
American surgeon (d. 2019) August 25 Leonard Bernstein, American composer, conductor (d. 1990) August 26 Katherine Johnson, African-American physicist, space scientist and mathematician (d. 2020) [52] Maria Isaura Pereira de Queirz, Brazilian sociologist (d. 2018) August 27 Aslam Khan, British Indian-born military officer, led his troops during
 World War II in capturing Kennedy Peak (Myanmar), which the Americans had failed to conquer. For this achievement, he was awarded the Military Cross by Field Marshal Auchinleck (d. 1994)[53]Chang Yun Chung, Chinese-born billionaire shipping magnate (d. 2020)Jelle Zijlstra, Dutch politician, Prime Minister of the Netherlands from 1966 to
2020)September 3 Helen Wagner, American soap opera actress (d. 2010)September 4 Gerald Wilson, American jazz trumpeter (d. 2014)September 5 Ludwig Hrmann, German cyclist (d. 2011)September 6 Ludwig Hrmann, German cyclist (d. 2011)September 6 Ludwig Hrmann, German cyclist (d. 2011)September 13 Ray
 Charles, American musician, singer and songwriter (d. 2015)September 14 James George, Canadian diplomat (d. 2020)September 15 Nipsey Russell, American politician (d. 1998)September 17 Chaim Herzog, 6th President of Israel 19831993 (d. 1997)September 19
 Joseph Zeller, American politician (d. 2018)September 22 Henryk Szeryng, Polish-born violinist (d. 1988)September 24 Emerante Morse, Haitian singer, dancer and folklorist (d. 2018)September 26 Peng Chang-kuei, Taiwanese chef (d. 2016)September 27 Martin Ryle, English radio astronomer, recipient of the Nobel Prize in Physics (d. 2018)September 24 Emerante Morse, Haitian singer, dancer and folklorist (d. 2018)September 26 Peng Chang-kuei, Taiwanese chef (d. 2016)September 27 Martin Ryle, English radio astronomer, recipient of the Nobel Prize in Physics (d. 2016)September 27 Martin Ryle, English radio astronomer, recipient of the Nobel Prize in Physics (d. 2016)September 28 Peng Chang-kuei, Taiwanese chef (d. 2016)September 29 Martin Ryle, English radio astronomer, recipient of the Nobel Prize in Physics (d. 2016)September 29 Martin Ryle, English radio astronomer, recipient of the Nobel Prize in Physics (d. 2016)September 29 Martin Ryle, English radio astronomer, recipient of the Nobel Prize in Physics (d. 2016)September 29 Martin Ryle, English radio astronomer, recipient of the Nobel Prize in Physics (d. 2016)September 29 Martin Ryle, English radio astronomer, recipient of the Nobel Prize in Physics (d. 2016)September 29 Martin Ryle, English radio astronomer, recipient of the Nobel Prize in Physics (d. 2016)September 29 Martin Ryle, English Ryle, English
 1984) September 28 ngel Labruna, Argentine soccer player, manager (d. 1983) Ida Schuster, Scottish actress (d. 2020) Arnold Stang, American comic actor (d. 2015) Aldo Parisot, Brazilian-American cellist and educator (d. 2018) Jens Christian SkouRobert Walker Rita Hayworth Thelma Coyne
 LongOctober 4 Kenichi Fukui, Japanese chemist, Nobel Prize laureate (d. 1998)October 6 Goh Keng Swee, former Deputy Prime Minister of Singapore (d. 2010)October 9E. Howard Hunt, American Watergate break-in coordinator (d. 2007)Bebo Valds, Cuban pianist,
 bandleader, composer and arranger (d. 2013)October 10 Gaston Mialaret, French pedagogist and professor (d. 1951)October 14 Thelma Coyne Long, Australian tennis player (d. 2015)October 16 Louis Althusser, French philosopher (d. 1990)Gori Bou
 French operatic singer (d. 2017)Henri Vernes, Belgian author (d. 2021)October 17 Rita Hayworth, American actress (d. 1987)October 18Konstantinos Mitsotakis, former Greek Prime Minister (d. 2017)Bobby Troup, American politician
 Democratic National Committee Chairman (d. 2014)October 22 Ren de Obaldia, French playwright and poet (d. 2022)October 23 Augusta Dabney, American actor (d. 2006)October 26 Marc Hodler, Swiss lawyer (d. 2006)October 27 Mihkel
Mathiesen, Estonian statesman (d. 2003)Teresa Wright, American actress (d. 2005)October 29 Diana Serra Cary, American actress (d. 2007)Billy GrahamSpiro AgnewNovember 1 Ken Miles, British sports car racing engineer and driver (d. 1966)November 2 Raimon Panikkar, Spanish
theologian (d. 2010)November 3 Russell B. Long, United States Senator from Louisiana (d. 2003)November 4Art Carney, American actor (d. 1994)November 7Paul Aussaresses, French general (d. 2013)Billy Graham, American evangelist, spiritual adviser to
several U.S. Presidents (d. 2018) November 8Teoh Seng Khoon, Malaysian badminton player (d. 2018) Hermann Zapf, German typeface designer (d. 2018) November 9Spiro Agnew, Vice president of the United States (d. 1996) Choi Hong Hi, South Korean general, martial artist (d. 2002) Su Beng, Taiwanese dissident and political activist (d. 2018) Hermann Zapf, German typeface designer (d. 2018) November 9Spiro Agnew, Vice president of the United States (d. 1996) Choi Hong Hi, South Korean general, martial artist (d. 2002) Su Beng, Taiwanese dissident and political activist (d. 2018) November 9Spiro Agnew, Vice president of the United States (d. 1996) Choi Hong Hi, South Korean general, martial artist (d. 2002) Su Beng, Taiwanese dissident and political activist (d. 2018) November 9Spiro Agnew, Vice president of the United States (d. 1996) Choi Hong Hi, South Korean general, martial artist (d. 2018) November 9Spiro Agnew, Vice president of the United States (d. 1996) Choi Hong Hi, South Korean general, martial artist (d. 2018) November 9Spiro Agnew, Vice president of the United States (d. 1996) Choi Hong Hi, South Korean general, martial artist (d. 2018) November 9Spiro Agnew, Vice president of the United States (d. 1996) Choi Hong Hi, South Korean general, martial artist (d. 2018) November 9Spiro Agnew, Vice president of the United States (d. 1996) Choi Hong Hi, South Korean general (d. 2018) November 9Spiro Agnew, Vice president of the United States (d. 1996) Choi Hong Hi, South Korean general (d. 2018) November 9Spiro Agnew, Vice president of the United States (d. 1996) Choi Hong Hi, South Korean general (d. 2018) November 9Spiro Agnew, Vice president of the United States (d. 1996) Choi Hong Hi, South Korean general (d. 2018) November 9Spiro Agnew, Vice president of the United States (d. 1996) Choi Hong Hi, South Korean general (d. 2018) November 9Spiro Agnew, Vice president of the United States (d. 1996) Choi Hong Hi, South Korean general (d. 1996) Choi Hong Hi, South Korean general (d. 1996) Choi Hong Hi, South Korea
2019) November 10 Ernst Otto Fischer, German chemist, Nobel Prize laureate (d. 2007) November 14 John Bromwich, Australian tennis player (d. 1999) November 15 Vittore Bocchetta, Italian sculptor, painter and academic (d. 2018) November 26 Patricio
 Aylwin, 32nd President of Chile (d. 2016)November 27 Borys Paton, Ukrainian scientist (d. 2020)November 29 Madeleine L'Engle, American author (d. 2014)[54]Aleksandr SolzhenitsynKurt WaldheimHelmut SchmidtAnwar SadatDecember 3 Abdul Haris Nasution, Indonesian general (d. 2014)[54]Aleksandr SolzhenitsynKurt WaldheimHelmut SchmidtAnwar SadatDecember 3 Abdul Haris Nasution, Indonesian general (d. 2014)[54]Aleksandr SolzhenitsynKurt WaldheimHelmut SchmidtAnwar SadatDecember 3 Abdul Haris Nasution, Indonesian general (d. 2014)[54]Aleksandr SolzhenitsynKurt WaldheimHelmut SchmidtAnwar SadatDecember 3 Abdul Haris Nasution, Indonesian general (d. 2014)[54]Aleksandr SolzhenitsynKurt WaldheimHelmut SchmidtAnwar SadatDecember 3 Abdul Haris Nasution, Indonesian general (d. 2014)[54]Aleksandr SolzhenitsynKurt WaldheimHelmut SchmidtAnwar SadatDecember 3 Abdul Haris Nasution, Indonesian general (d. 2014)[54]Aleksandr SolzhenitsynKurt WaldheimHelmut SchmidtAnwar SadatDecember 3 Abdul Haris Nasution, Indonesian general (d. 2014)[54]Aleksandr SolzhenitsynKurt WaldheimHelmut SchmidtAnwar SadatDecember 3 Abdul Haris Nasution, Indonesian general (d. 2014)[54]Aleksandr SolzhenitsynKurt WaldheimHelmut Schmidt Schmidt SolzhenitsynKurt Waldheim (d. 2014)[54]Aleksandr 
2000)December 7Jrunn Viar, Icelandic pianist, composer (d. 2017)Liu Yichang, Hong Kong writer and novelist (d. 2018)December 8 Grard Souzay, French baritone (d. 2004)December 11 Aleksandr Solzhenitsyn, Russian writer, Nobel Prize laureate (d. 2018)December 12 Anatoly Tarasov, Russian writer, Nobel Prize laureate (d. 2018)December 13 Anatoly Tarasov, Russian writer, Nobel Prize laureate (d. 2018)December 14 Aleksandr Solzhenitsyn, Russian writer, Nobel Prize laureate (d. 2018)December 15 Anatoly Tarasov, Russian writer, Nobel Prize laureate (d. 2018)December 16 Anatoly Tarasov, Russian writer, Nobel Prize laureate (d. 2018)December 17 Anatoly Tarasov, Russian writer, Nobel Prize laureate (d. 2018)December 18 Anatoly Tarasov, Russian writer, Nobel Prize laureate (d. 2018)December 19 Anatoly Tarasov, Russian writer, Nobel Prize laureate (d. 2018)December 19 Anatoly Tarasov, Russian writer, Nobel Prize laureate (d. 2018)December 19 Anatoly Tarasov, Russian writer, Nobel Prize laureate (d. 2018)December 19 Anatoly Tarasov, Russian writer, Nobel Prize laureate (d. 2018)December 19 Anatoly Tarasov, Russian writer, Nobel Prize laureate (d. 2018)December 19 Anatoly Tarasov, Russian writer, Nobel Prize laureate (d. 2018)December 19 Anatoly Tarasov, Russian writer, Nobel Prize laureate (d. 2018)December 19 Anatoly Tarasov, Russian writer, Nobel Prize laureate (d. 2018)December 19 Anatoly Tarasov, Russian writer, Nobel Prize laureate (d. 2018)December 19 Anatoly Tarasov, Russian writer, Nobel Prize laureate (d. 2018)December 19 Anatoly Tarasov, Russian writer, Nobel Prize laureate (d. 2018)December 19 Anatoly Tarasov, Russian writer, Nobel Prize laureate (d. 2018)December 19 Anatoly Tarasov, Russian writer, Nobel Prize laureate (d. 2018)December 19 Anatoly Tarasov, Russian writer, Nobel Prize laureate (d. 2018)December 19 Anatoly Tarasov, Russian writer, Nobel Prize laureate (d. 2018)December 19 Anatoly Tarasov, Russian writer, Nobel Prize laureate (d. 2018)December 19 Anatoly Tarasov, Russian writer, Nobel Prize laureate 
2008)December 12 Joe Williams, American jazz singer (d. 1999)December 13 Rosalia Lombardo, Italian child known as The Sleeping Beauty (d. 1920)[55]December 17 Dusty Anderson, American actress and model (d. 2007)Duchess
Woizlawa Feodora of Mecklenburg, German royal (d. 2019)December 18 Joyce Reynolds, English classicist and academic (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)Fred Gloden, American football player (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruvian philosopher (d. 2019)December 21 Francisco Mir Quesada Cantuarias, Peruv
Mee, English football player, manager (d. 2001)Anwar Sadat, 3rd President of Egypt, recipient of the Nobel Peace Prize (d. 1981)December 26 Georgios Rallis, Prime Minister of Greece (d. 2006)December 30 W. Eugene Smith, American photojournalist (d. 1978)Abd an-Nabi Abd al-Qadir Mursal, Sudanese poet and politician (d. 1962)[57]Georgios Rallis, Prime Minister of Greece (d. 2006)December 30 W. Eugene Smith, American photojournalist (d. 1978)Abd an-Nabi Abd al-Qadir Mursal, Sudanese poet and politician (d. 1962)[57]Georgios Rallis, Prime Minister of Greece (d. 2006)December 30 W. Eugene Smith, American photojournalist (d. 1978)Abd an-Nabi Abd al-Qadir Mursal, Sudanese poet and politician (d. 1962)[57]Georgios Rallis, Prime Minister of Greece (d. 2006)December 30 W. Eugene Smith, American photojournalist (d. 1978)Abd an-Nabi Abd al-Qadir Mursal, Sudanese poet and politician (d. 1962)[57]Georgios Rallis, Prime Minister of Greece (d. 2006)December 30 W. Eugene Smith, American photojournalist (d. 1978)Abd an-Nabi Abd al-Qadir Mursal, Sudanese poet and politician (d. 1962)[57]Georgios Rallis, Prime Minister of Greece (d. 2006)December 30 W. Eugene Smith, American photojournalist (d. 1978)Abd an-Nabi Abd al-Qadir Mursal, Sudanese poet and politician (d. 1962)[57]Georgios Rallis, Prime Minister of Greece (d. 2006)December 30 W. Eugene Smith, American photojournalist (d. 1978)Abd an-Nabi Abd al-Qadir Mursal, Sudanese poet and Prime Minister of Greece (d. 2006)December 30 W. Eugene Smith, American photojournalist (d. 1978)Abd an-Nabi Abd al-Qadir Mursal, Sudanese poet and Prime Minister of Greece (d. 2006)December 30 W. Eugene Smith, American photojournalist (d. 1978)Abd an-Nabi Abd al-Qadir Mursal, Sudanese photojournalist (d. 1978)Abd an-Nabi Abd al-Qadir Mu
CantorMara Dolores Rodrguez SopeaJanuary 2 Katharine A. O'Keeffe O'Mahoney, Irish-born American teacher and writer (b. 1855)January 8Johannes Psuke, Estonian photographer, filmmaker (b. 1892)Ellis H. Roberts, American politician (b. 1827)January 9Max Ritter von Mller, German World
War I fighter ace (killed in action) (b. 1844)January 10 Mara Dolores Rodrguez Sopea, Spanish Roman Catholic religious sister and Blessed (b. 1843)January 21 Emil Jellinek, German automobile entrepreneur (b. 1853)January 20 Grand Duke Nicholas Konstantinovich of Russia (b. 1850)January 28 John
McCrae, Canadian soldier, surgeon and poet (b. 1872) January 31 Ivan Puluj, Ukrainian physicist and inventor (b. 1845) Princess Leonilla Bariatinskaya, Russian aristocrat (b. 1816) February 2 John L. Sullivan, American boxer, World Heavyweight Champion (b. 1845) Princess Leonilla Bariatinskaya, Russian aristocrat (b. 1816) February 2 John L. Sullivan, American boxer, World Heavyweight Champion (b. 1845) Princess Leonilla Bariatinskaya, Russian aristocrat (b. 1816) February 2 John L. Sullivan, American boxer, World Heavyweight Champion (b. 1845) Princess Leonilla Bariatinskaya, Russian aristocrat (b. 1816) February 2 John L. Sullivan, American boxer, World Heavyweight Champion (b. 1845) Princess Leonilla Bariatinskaya, Russian aristocrat (b. 1816) February 2 John L. Sullivan, American boxer, World Heavyweight Champion (b. 1845) Princess Leonilla Bariatinskaya, Russian aristocrat (b. 1816) February 2 John L. Sullivan, American boxer, World Heavyweight Champion (b. 1845) Princess Leonilla Bariatinskaya, Russian aristocrat (b. 1816) February 2 John L. Sullivan, American boxer, World Heavyweight Champion (b. 1845) Princess Leonilla Bariatinskaya, Russian aristocrat (b. 1816) February 2 John L. Sullivan, American boxer, World Heavyweight Champion (b. 1845) Princess Leonilla Bariatinskaya, Russian aristocrat (b. 1816) February 2 John L. Sullivan, American boxer, World Heavyweight Champion (b. 1845) Princess Leonilla Bariatinskaya, Russian aristocrat (b. 1845) Princess Le
 1858) February 4 Akiyama Saneyuki, Japanese admiral (b. 1868) February 6 Gustav Klimt, Austrian painter (b. 1862), Spanish fluFebruary 8 Louis Renault, French jurist, educator and Nobel Prize laureate (b. 1842) Ernesto Teodoro Moneta, Italian pacifist, Nobel Prize laureate (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1842) Ernesto Teodoro Moneta, Italian pacifist, Nobel Prize laureate (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1842) Ernesto Teodoro Moneta, Italian pacifist, Nobel Prize laureate (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1843) February 10 Sultan Abdul Hamid II of the Ottoman Empire (b. 1843) February 10 Sultan Abdul Hamid I
 1833)February 11 Alexey Kaledin, Russian general (suicide) (b. 1861)February 14 Sir Cecil Spring Rice, British diplomat (b. 1859)February 15 Vernon Castle, British-born American dancer (b. 1887)February 16 Kroly Khuen-Hdervry, 2-time Prime Minister of Hungary (b. 1849)February 23Adolphus Frederick VI, Grand Duke of Mecklenburg-Strelitz
(b. 1882) Thomas Brassey, 1st Earl Brassey, 1st Earl Brassey, British politician and colonial administrator (b. 1836) Claude Debussy Martin Sheridan March 10 Hans-Joachim Buddecke, German flying ace (killed in action) (b. 1890) March 13 Csar Cui, Lithuanian
composer (b. 1835)March 14Lucretia Garfield, First Lady of the United States (b. 1832)Gennaro Rubino, Italian anarchist who unsuccessfully tried to assassinate King Leopold II of Belgium (b. 1859)March 15 Adolf Ritter von Tutschek, German fighter ace (killed in action) (b. 1891)March 23 T. P. Cameron Wilson, English poet, novelist (b. 1888)March
25Claude Debussy, French composer (b. 1862)Walter Tull, first Black infantry officer to serve in the British Army (b. 1888)March 27Henry Adams, American Olympic athlete (b. 1881), Spanish fluKarl Ferdinand BraunManfred von RichthofenGavrilo PrincipApril 1Isaac Rosenberg, British war poet (killed
in action) (b. 1890)Paul von Rennenkampf, Russian general (executed) (b. 1854)April 4 Hermann Cohen, German philosopher (b. 1842)April 11 Otto Wagner, Austro-Hungarian architect, urban planner (b. 1841)April 19 William Hope Hodgson, English author (b. 1877)[58]April 20Jussi Merinen, Finnish
politician (executed) (b. 1873)[59]Karl Ferdinand Braun, German physicist, Nobel Prize laureate (b. 1850)Paul Gautsch von Frankenthurn, Austrian statesman, Prime Minister (b. 1851)April 21Friedrich II, Duke of Anhalt (b. 1856)Manfred von Richthofen, German fighter pilot, top-scoring ace of World War I (killed in action) (b. 1892)April 27 Jacques
 Duchesne, French general (b. 1837)April 28 Gavrilo Princip, Yugoslav assassin (b. 1894)Maria Magdalena MertenMay 2Ernie Parker, Australian tennis champion (killed in action) (b. 1883)Jri Vilms, Estonian politician (b. 1889)May 14 James Gordon Bennett Jr., American newspaper publisher (b. 1841)May 17 William Drew Robeson I, African-American
minister, father of singer and actor Paul Robeson (b. 1844)May 18 Blandine Merten, German nun and Blessed (b. 1883)May 19Ferdinand Hodler, Swiss painter (b. 1853)Raoul Lufbery, Franco-American fighter pilot (killed in action) (b. 1885)May 19Ferdinand Hodler, Swiss painter (b. 1853)Raoul Lufbery, Franco-American fighter pilot (killed in action) (b. 1885)May 19Ferdinand Hodler, Swiss painter (b. 1885
1875)[61]May 23Gerard Noel, British admiral (b. 1845) [62]Mariano Ponce, Filipino diplomat, politician and writer (b. 1863)May 24 Jzsef Kiss, Austro-Hungarian fighter pilot (killed in action) (b. 1896)May 30 Georgi Plekhanov, Russian revolutionary, philosopher (b. 1856)Kyrion II of GeorgiaJune 1 Roderic Dallas, Australian fighter pilot (killed in action)
action) (b. 1891)June 3 Count Richard von Bienerth-Schmerling, Austrian noble, statesman and former Prime Minister (b. 1852)June 10 Arrigo Boito, Italian poet, composer (b. 1842)June 13 Grand Duke Michael Romanov (assassinated) (b. 1878)June 15 Frank Miles Day
American architect (b. 1861)June 16 Bazil Assan, Romanian engineer and explorer (b. 1860)June 19 Francesco Baracca, Italian fighter pilot (air crash) (b. 1855)June 27 Josphin Pladan, French occultist (b. 1858)Sultan Mehmed VJames McCuddenQuentin RooseveltEmperor
Nicholas II of RussiaHenry MacintoshJuly 3 Sultan Mehmed V of the Ottoman Empire (b. 1844)July 9 James McCudden, British fighter pilot (killed in action) (b. 1897)July 17 Executed members of the Romanov family:Former
Emperor Nicholas II of Russia (b. 1895)Grand Duchess Alexandra Feodorovna of Russia (b. 1897)Grand Duchess Maria Nikolaevna of Russia (b. 1895)Grand Duchess Maria Nikolaevna of Russia (b. 1897)Grand Duchess Maria Nikolaevna of Russia (b. 1898)Grand Duchess Maria Nikolaevna (b. 1898)Grand Duchess Maria Nikolaevna (b. 1898)Grand Duchess Maria Nik
of Russia (b. 1904) July 18 Prince Constantine Constantine Constantine Constantinovich of Russia (executed) (b. 1864) July 20 Francis Lupo, American soldier
(b. 1895)July 22Roy Earl Parrish, American politician (killed in action) (b. 1888)Manuel Gonzlez Prada, Peruvian politician, author (b. 1844)Indra Lal Roy, Indian fighter pilot (killed in action) (b. 1888)Manuel Gonzlez Prada, Peruvian politician, author (b. 1844)Indra Lal Roy, Indian fighter pilot (killed in action) (b. 1898)Alexey Schastny, Russian naval officer (executed) (b. 1881)July 26Henry Macintosh, British Olympic athlete (killed in action) (b. 1892)Edward Mannock
British fighter pilot (killed in action) (b. 1887)July 29 Ernest William Christmas, Australian painter (b. 1863)July 30Hermann von Eichhorn, German field marshal (assassinated) (b. 1886)Frank Linke-Crawford, Austro-Hungarian fighter pilot (killed in action) (b. 1893)July 31 George
McElroy, British fighter pilot (killed in action) (b. 1893) Marianne CopeAugust 1 John Riley Banister, American policeman, cowboy (b. 1854) Gabriel Gurin, French World War I fighter ace (air crash) (b. 1892) August 5 Peter Strasser, German naval officer, airship commander (killed in action) (b. 1876) August 9 Marianne Cope, German-born American policeman, cowboy (b. 1854) Gabriel Gurin, French World War I fighter ace (air crash) (b. 1892) August 5 Peter Strasser, German naval officer, airship commander (killed in action) (b. 1876) August 5 Peter Strasser, German naval officer, airship commander (killed in action) (b. 1892) August 5 Peter Strasser, German naval officer, airship commander (killed in action) (b. 1876) August 5 Peter Strasser, German naval officer, airship commander (killed in action) (b. 1876) August 5 Peter Strasser, German naval officer, airship commander (killed in action) (b. 1892) August 5 Peter Strasser, German naval officer, airship commander (killed in action) (b. 1892) August 5 Peter Strasser, German naval officer, airship commander (killed in action) (b. 1893) August 6 Peter Strasser, German naval officer, airship commander (killed in action) (b. 1893) August 7 Peter Strasser, German naval officer, airship commander (killed in action) (b. 1893) August 7 Peter Strasser, German naval officer, airship commander (killed in action) (b. 1893) August 7 Peter Strasser, German naval officer, airship commander (killed in action) (b. 1893) August 7 Peter Strasser, German naval officer, airship commander (killed in action) (b. 1893) August 7 Peter Strasser, German naval officer, airship commander (killed in action) (b. 1893) August 7 Peter Strasser, German naval officer, airship commander (killed in action) (b. 1893) August 7 Peter Strasser, German naval officer, airship commander (killed in action) (b. 1893) August 7 Peter Strasser, August 7 Peter Str
 Roman Catholic nun and saint (b. 1838) Frantiek Plesniv, Austro-Hungarian architect (b. 1845) August 10 Jean Brillant, Canadian soldier, Victoria Cross recipient (killed in action) (b. 1897) Aleksander Uurits, Estonian painter, graphic artist (b. 1888) August 12 Anna Held, French
actress (b. 1872) August 22 Korbinian Brodmann, German neurologist (b. 1868)[63] August 30 William Duncan, British missionary in Canada and the United States (b. 1832) George ReidEduard, Duke of AnhaltPrince Erik, Duke of VastmanlandMudbir al-Far'un, Arab chieftain, leader of 1913 Euphrates rebellionSeptember 2 Sir John Forrest, Australian
explorer and politician, 1st Premier of Western Australia (b. 1847)September 5 Nikolay Maklakov, Russian politician, former minister of the Interior (b. 1843)Mikael of Wollo, Ethiopian
army commander and Ras of Wollo (b. 1850)September 12 Sir George Reid, 4th Prime Minister of Australia (b. 1845)September 13 Eduard, Duke of Anhalt (b. 1861)September 16 Maurice Boyau, French World War I fighter ace (killed in action) (b. 1895)September 18 Joseph Frank Wehner, American World War I fighter ace (killed in action) (b. 1895)September 18 Joseph Frank Wehner, American World War I fighter ace (killed in action) (b. 1895)September 18 Joseph Frank Wehner, American World War I fighter ace (killed in action) (b. 1895)September 18 Joseph Frank Wehner, American World War I fighter ace (killed in action) (b. 1895)September 18 Joseph Frank Wehner, American World War I fighter ace (killed in action) (b. 1895)September 18 Joseph Frank Wehner, American World War I fighter ace (killed in action) (b. 1895)September 18 Joseph Frank Wehner, American World War I fighter ace (killed in action) (b. 1895)September 18 Joseph Frank Wehner, American World War I fighter ace (killed in action) (b. 1895)September 18 Joseph Frank Wehner, American World War I fighter ace (killed in action) (b. 1895)September 18 Joseph Frank Wehner, American World War I fighter ace (killed in action) (b. 1895)September 18 Joseph Frank Wehner, American World War I fighter ace (killed in action) (b. 1895)September 18 Joseph Frank Wehner, American World War I fighter ace (killed in action) (b. 1895)September 18 Joseph Frank Wehner, American World War I fighter ace (killed in action) (b. 1895)September 18 Joseph Frank Wehner, American World War I fighter ace (killed in action) (b. 1895)September 18 Joseph Frank Wehner, American World War I fighter ace (killed in action) (b. 1895)September 18 Joseph Frank Wehner, American World War I fighter ace (killed in action) (b. 1895)September 18 Joseph Frank Wehner, American World War I fighter ace (killed in action) (b. 1895)September 18 Joseph Frank Wehner, American World War I fighter ace (killed in action) (b. 1895)September 18 Joseph Frank Wehner, American World War I fighter ace (killed in action) (b. 18
[64]September 20 Prince Erik, Duke of Vstmanland (b. 1889), Spanish fluSeptember 27 Fritz Rumey, German World War I fighter ace (killed in action) (b. 1882), Spanish fluGeorg Simmel, German sociologist, philosopher (b. 1858)Freddie Stowers, American soldier (killed in action) (b.
 1896)September 29 Frank Luke, American World War I fighter ace (killed in action) (b. 1897)October 4 Nikolai Skrydlov, Russian admiral (b. 1849)October 6 Arthur O'Hara Wood, Australian tennis champion and fighter pilot (killed in action)
(b. 1890)October 7 Sir Hubert Parry, British composer (b. 1848), Spanish fluOctober 8 Mikhail Alekseyev, Russian general (b. 1857)October 9 Raymond Duchamp-Villon, French sculptor (b. 1891)October 15 Sai Baba of Shirdi, Indian guru, yogi and National saint of India (b. 1890)October 15 Sai Baba of Shirdi, Indian guru, yogi and National saint of India (b. 1890)October 15 Sai Baba of Shirdi, Indian guru, yogi and National saint of India (b. 1890)October 15 Sai Baba of Shirdi, Indian guru, yogi and National saint of India (b. 1890)October 15 Sai Baba of Shirdi, Indian guru, yogi and National saint of India (b. 1890)October 16 Sai Baba of Shirdi, Indian guru, yogi and National saint of Indian guru, yogi and National saint of India (b. 1890)October 17 Sai Baba of Shirdi, Indian guru, yogi and National saint of India (b. 1890)October 18 Sai Baba of Shirdi, Indian guru, yogi and National saint of Indian guru, yogi and Na
1838)October 16 Felix Arndt, American pianist, composer (b. 1889), Spanish fluOctober 18Radko Dimitriev, Bulgarian, Russian general (executed) (b. 1806)Daudo Okelo, Ugandan Roman Catholic martyr and saint (executed) (b. 1809)Nikolai Ruzsky, Russian general
 (executed) (b. 1854)October 19Harold Lockwood, American actor (b. 1887), Spanish fluPrince Umberto, Count of Salemi (b. 1889), Spanish fluOctober 24Csar Ritz, Swiss hotelier (b. 1850)Daniel Burley Woolfall, English administrator, 2nd President of FIFA (b. 1852)October 25 Amadeo de Souza Cardoso, Portuguese painter (b. 1887), Spanish
 fluOctober 29Michel Coiffard, French World War I fighter ace (killed in action) (b. 1892)Rudolf Tobias, Estonian composer (b. 1873)October 31Egon Schiele, Austrian artist (b. 1861)Wilfred OwenNovember 1 Vladimir Vasilyevich Smirnov, Russian general (executed) (b. 1873)October 31Egon Schiele, Austrian artist (b. 1890), Spanish fluIstvn Tisza, 2-time Prime Minister of Hungary (assassinated) (b. 1861)Wilfred OwenNovember 1 Vladimir Vasilyevich Smirnov, Russian general (executed) (b. 1873)October 31Egon Schiele, Austrian artist (b. 1890), Spanish fluIstvn Tisza, 2-time Prime Minister of Hungary (assassinated) (b. 1861)Wilfred OwenNovember 1 Vladimir Vasilyevich Smirnov, Russian general (executed) (b. 1861)Wilfred OwenNovember 1 Vladimir Vasilyevich Smirnov, Russian general (executed) (b. 1861)Wilfred OwenNovember 1 Vladimir Vasilyevich Smirnov, Russian general (executed) (b. 1861)Wilfred OwenNovember 1 Vladimir Vasilyevich Smirnov, Russian general (executed) (b. 1861)Wilfred OwenNovember 1 Vladimir Vasilyevich Smirnov, Russian general (executed) (b. 1861)Wilfred OwenNovember 1 Vladimir Vasilyevich Smirnov, Russian general (executed) (b. 1861)Wilfred OwenNovember 1 Vladimir Vasilyevich Smirnov, Russian general (executed) (b. 1861)Wilfred OwenNovember 1 Vladimir Vasilyevich Smirnov, Russian general (executed) (b. 1861)Wilfred OwenNovember 1 Vladimir Vasilyevich Smirnov, Russian general (executed) (b. 1861)Wilfred OwenNovember 1 Vladimir Vasilyevich Smirnov, Russian general (executed) (b. 1861)Wilfred OwenNovember 1 Vladimir Vasilyevich Smirnov, Russian general (executed) (b. 1861)Wilfred OwenNovember 1 Vladimir Vasilyevich (executed) (b. 18
1849)November 2 Hugh Cairns, Canadian soldier (b. 1896)November 4Wilfred Owen, British poet, soldier (killed in action) (b. 1832)November 5Samuel Liddell MacGregor Mathers, British occultist (b. 1854), Spanish fluWilliam Shea, British actor (b. 1849)November 5Samuel Liddell MacGregor Mathers, British occultist (b. 1854), Spanish fluWilliam Shea, British actor (b. 1852)November 5Samuel Liddell MacGregor Mathers, British occultist (b. 1854), Spanish fluWilliam Shea, British actor (b. 1854), Spanish fluWilliam Shea, British actor (b. 1854), Spanish fluWilliam Shea, British occultist (b. 1854), Spanish fluWilliam Shea, British actor (b. 1854), Spanish fluWilliam Shea, British occultist (b. 1854), Spanish fluWilliam Shea, British actor (b. 1854), Spanish fluWilliam Shea, British fluWilliam 
 1856)November 6 Alan Arnett McLeod, Canadian soldier (b. 1899), Spanish fluNovember 9Guillaume Apollinaire, French poet (b. 1880), Spanish fluNovember 11Victor Adler, Austrian politician (b. 1852)George Lawrence Price, last
Commonwealth soldier to die in WWI (b. 1892)November 12 Aleksei Evert, Russian general (executed) (b. 1841), Spanish fluNovember 19 Joseph F. Smith, 6th President of The Church of Jesus Christ
of Latter-day Saints (b. 1838)November 20 John Bauer, Swedish painter (b. 1882)November 22 Rose Cleveland, de facto First Lady of the United States (b. 1853)November 20 John Bauer, Swedish painter (b. 1882)November 22 Rose Cleveland, de facto First Lady of the United States (b. 1882)November 20 John Bauer, Swedish painter (b. 188
Edmond Rostand, French writer (b. 1868), Spanish fluDecember 4 Princess Teriivaetua of Tahiti (b. 1869), Spanish fluDecember 5 Schalk Willem Burger, Boer military leader, lawyer, politician, statesman, and acting President of the South African Republic (1900-1902) (b. 1852)December 9 Samuel Swett Green, American library pioneer (b.
1837)December 11 Ivan Cankar, Slovenian writer (b. 1876), Spanish fluDecember 13 Emory Speer, American politician, jurist, and United States district judge from 1885 until 1918 (b. 1848)December 14 Sidnio Pais, Portuguese politician, general, diplomat, 66th Prime Minister of Portugal and 4th President of Portugal (b. 1872)
 assassinatedDecember 20 Sultan Ali bin Hamud of Zanzibar (b. 1863)December 21 Prince Konrad of Hohenlohe-Waldenburg-Schillingsfrst, Austrian statesman, former Prime Minister (b. 1863)December 28 Olavo Bilac, Brazilian poet (b. 1863)Physics
Max PlanckChemistry Fritz Haber[66]Medicine not awardedPeace not awardedPe
 Retrieved June 22, 2014. Penguin Pocket On This Day. Penguin Reference Library. 2006. ISBN 0-14-102715-0. Engdahl, E. R.; Vallaseor, A. (2002). "Global seismicity: 19001999" (PDF). International Handbook of Earthquake & Engineering Seismology. Part A, Volume 81A (Firsted.). Academic Press. p.674. ISBN 978-0124406520. Shores,
Christopher (1969). Finnish Air Force, 19181968. Reading, Berkshire, UK: Osprey Publications Ltd. p.3. ISBN 978-0668021210. a b 100 years ago today: Reds take Tampere, Finnish Civil War begins Yle News, January 27, 2018. Retrieved October 6, 2021. Palmer, Veronica (1992). The Chronology of British History. London: Century 27, 2018. Retrieved October 6, 2021. Palmer, Veronica (1992). The Chronology of British History. London: Century 27, 2018. Retrieved October 6, 2021. Palmer, Veronica (1992). The Chronology of British History. London: Century 27, 2018. Retrieved October 6, 2021. Palmer, Veronica (1992). The Chronology of British History. London: Century 27, 2018. Retrieved October 6, 2021. Palmer, Veronica (1992). The Chronology of British History. London: Century 27, 2018. Retrieved October 6, 2021. Palmer, Veronica (1992). The Chronology of British History. London: Century 27, 2018. Retrieved October 6, 2021. Palmer, Veronica (1992). The Chronology of British History. London: Century 27, 2018. Retrieved October 6, 2021. Palmer, Veronica (1992). The Chronology of British History. London: Century 27, 2018. Retrieved October 6, 2021. Palmer, Veronica (1992). The Chronology of British History. London: Century 27, 2018. Retrieved October 6, 2021. Palmer, Veronica (1992). The Chronology of British History. London: Century 27, 2018. Retrieved October 6, 2021. Palmer, Veronica (1992). The Chronology of British History. London: Century 27, 2018. Retrieved October 6, 2021. Palmer, Veronica (1992). The Chronology of British History. London: Century 27, 2018. Retrieved October 6, 2021. Palmer, Veronica (1992). The Chronology of British History. London: Century 27, 2018. Retrieved October 6, 2021. Palmer, Veronica (1992). The Chronology of British History. London: Century 27, 2018. Retrieved October 6, 2021. Palmer, Veronica (1992). Palmer, Veronica
Ltd. pp.355356. ISBN0-7126-5616-2. Royal Canadian Legion Branch # 138."2-Minute Wave of Silence Revives a Time-honoured Tradition. Accessed on 5 June 2014. The first was from Allahabad to Naini Junction in India on 18 February 1911, and the second from London to Windsor Castle on 22 June 1911. "Women's Right to Vote in Canada"
lop.parl.ca. Retrieved February 22, 2018.^ "La Grippe Espagnole de 1918". Institut Pasteur. Archived from the original on June 4, 2011. Retrieved May 3, 2011.^ "CROWDS SEE OPENING OF TRADE EXPOSITION; Police Commissioner Enright Receives Keys for City at Formal Opening. PERMANENT SHOW PLANNED Borough President Bruckner
 Thanks Promoters for Choosing Site in the Bronx". The New York Times. June 30, 1918. ISSN0362-4331. Retrieved October 2, 2019.^ "Carpathia Sunk; 5 of Crew Killed" (PDF). The New York Times. July 20, 1918. p.4.^ Klim, Jake (2014). Attack on Orleans: The World War I submarine raid on Cape Cod. The History Press. ISBN9781625850348.
OCLC883673275. David S. Foglesong (2014), "Fighting, But Not At War", America's Secret War Against Bolshevism: U.S. Intervention in the Russian Civil War 19171920, UNC Press Books, ISBN 978-1469611136." Warilda". Uboat.net. Retrieved December 17, 2012. Lichfield, John (July 7, 2014). "A History of the First World War in 100 Moments:
The 'blackest day' of the German army". The Independent. London. Archived from the original on May 1, 2022. Retrieved July 7, 2014. Semion (Autumn 1989). "The 1918 Attempt on the Life of Lenin: A New Look at the Evidence". Slavic Review. 48 (3). Cambridge University Press: 432448. doi:10.2307/2498997. JSTOR2498997.
S2CID155228899.^ Werth, Nicolas; Bartosek, Karel; Panne, Jean-Louis; Margolin, Jean-Loui
April 23, 2024. Pitt, Barrie (2003). 1918: The Last Act. Barnsley: Pen and Sword. ISBN0-85052-974-3. Massie, Robert K. (2004). Castles of Steel: Britain, Germany, and the Winning of the Great War at Sea. New York: Ballantine Books. ISBN0-85052-974-3. Massie, Robert K. (2004). The Boundaries of Modern Palestine, 18401947. London: Routledge.
pp.55, 164. ISBN 978-0-7146-5654-0. Retrieved May 2, 2009. "Unification of Montenegro and Serbia (1918) - Podgorica's Assembly". Montenet. Retrieved June 9, 2021. Wainwright, Martin (August 23, 2010). "British warships sunk 90 years ago
 found off Estonian coast". The Guardian. London. Retrieved August 24, 2010. Huldn, Anders: Kuningasseikkailu Suomessa 1918. Helsinki: Kirjayhtym, 1988. ISBN 978-0-521-85688-1. Ward, Margaret (1983).
 Unmanageable Revolutionaries: Women and Irish nationalism. London: Pluto Press. p.137. ISBN0-86104-700-1. Gussow, Mel (April 27, 1996). "Stirling Silliphant, 78, Writer; Won 'Heat of the Night' Oscar". The New York Times. Shapiro, T. Rees (January 10, 2011). "Obituary: Richard 'Dick' Winters, courageous WWII officer portrayed in 'Band of
 Brothers'". Washington Post. Retrieved January 7, 2018.^ Avery, Mary Ellen (2008). "Gertrude Belle Elion. 23 January 1918 21 February 1999". Biographical Memoirs of Fellows of the Royal Society. 54: 161168. doi:10.1098/rsbm.2007.0051.^ Traue, J. E., ed. (1978). Who's Who in New Zealand (11thed.). Wellington: Reed. p.120. ISBN 0-589-01113-
8.^ Tobin, James. "Autobiography", published in Nobel Lectures. Economics 19811990, Editor Karl-Gran Mler, World Scientific Publishing Co., Singapore, 1992^ "Mickey Spillane, 88, Critic-Proof Writer of Pulpy Mike Hammer Novels, Dies". The New York Times. July 18, 2006. Glueck, Grace (February 2, 1989). "Elaine de Kooning, Artist and
 Teacher, Dies at 68". New York Times. New York Times. New York Times. New York Times. Retrieved October 24, 2021. McFadden, Robert D. (February 4, 2015). "Mary Healy, Actress and Singer, Dies at 96". The New York Times. Retrieved February 5, 2015. Jeremy Pearce
(August 7, 2007). "Kai Siegbahn, Swedish Physicist, Dies at 89". The New York Times. Pear, Jack", American National Biography Online, Oxford University Press (Oxford, England). Retrieved January 8, 2019. "Richard P. Feynman Biography Online, Oxford University Press (Oxford, England). Retrieved January 8, 2019. "Richard P. Feynman Biography Online, Oxford University Press (Oxford, England). Retrieved January 8, 2019. "Richard P. Feynman Biography Online, Oxford University Press (Oxford, England). Retrieved January 8, 2019. "Richard P. Feynman Biography Online, Oxford University Press (Oxford, England). Retrieved January 8, 2019. "Richard P. Feynman Biography Online, Oxford University Press (Oxford, England). Retrieved January 8, 2019. "Richard P. Feynman Biography Online, Oxford University Press (Oxford, England). Retrieved January 8, 2019. "Richard P. Feynman Biography Online, Oxford University Press (Oxford, England). Retrieved January 8, 2019. "Richard P. Feynman Biography Oxford University Press (Oxford, England). Retrieved January 8, 2019. "Richard P. Feynman Biography Oxford University Press (Oxford, England). Retrieved January 8, 2019. "Richard P. Feynman Biography Oxford University Press (Oxford, England). Retrieved January 8, 2019. "Richard P. Feynman Biography Oxford University Press (Oxford, England). Retrieved January 8, 2019. "Richard P. Feynman Biography Oxford University Press (Oxford, England). Retrieved January 8, 2019. "Richard P. Feynman Biography Oxford University Press (Oxford, England). Retrieved January 8, 2019. "Richard P. Feynman Biography Oxford University Press (Oxford, England). Retrieved January 8, 2019. "Richard P. Feynman Biography Oxford University Press (Oxford, England). Retrieved January 8, 2019. "Richard P. Feynman Biography Oxford University Press (Oxford, England). Retrieved January 8, 2019. "Richard P. Feynman Biography Oxford University Press (Oxford, England). Retrieved January 8, 2019. "Richard P. Feynman Biography Press (Oxford, England). Retrieved January 8, 2019. "Ric
2013. Bernstein, Adam (October 21, 2009). "Accomplished Broadway actor immortalized Bond's Dr. No". washingtonpost.com. Retrieved December 12, 2014. Blyth, Alan; Barker, Frank Granville (January 12, 2006). "Obituary: Birgit Nilsson"
The Guardian. Archived from the original on October 25, 2018. *Circley Saunders Dies at 87; Reshaped End-of-Life Care". The New York Times. Retrieved June 22, 2018. *Circley Saunders Dies at 88. *Circley Saunders Dies at 87; Reshaped End-of-Life Care". The New York Times. Retrieved June 22, 2018. *Circley Saunders Dies at 87; Reshaped End-of-Life Care". The New York Times. Retrieved June 22, 2018. *Circley Saunders Dies at 87; Reshaped End-of-Life Care". The New York Times. Retrieved June 22, 2018. *Circley Saunders Dies at 87; Reshaped End-of-Life Care". The New York Times. Retrieved June 22, 2018. *Circley Saunders Dies at 87; Reshaped End-of-Life Care". The New York Times. Retrieved June 22, 2018. *Circley Saunders Dies at 88. *Circley Saunder
 Times. ISSN0362-4331. Retrieved May 8, 2017. "T.M. Aluko | Nigerian author". Encyclopedia Britannica. Retrieved May 28, 2020. Rothstein, Mervyn (July 31, 2007. Katie Hafner, "Jay W. Forrester Dies at 98; a Pioneer in Computer
 Models", The New York Times, November 17, 2016. Mandela, Nelson (2004) [1994]. Long Walk to Freedom Volume II: 19621994 (large printed.). London: BBC AudioBooks and Time Warner Books Ltd. p.3. ISBN 978-0-7540-8724-3. Keepnews, Peter (May 17, 2010), "Hank Jones, Versatile Jazz Pianist, Is Dead at 91", The New York Times.
Fountain, Nigel (February 24, 2020). "Katherine Johnson obituary". The Guardian. ISSN0261-3077. Archived from the original on February 26, 2020. Retrieved Februa
Zimbalist Jr., Star of '77 Sunset Strip' and 'The F.B.I.', Dies at 95". The New York Times. May 3, 2014. Retrieved June 9, 2018. Panzer, Stephanie; Gill-Frerking, Heather; Rosendahl, Wilfried; Zink, Albert R.; Piombino-Mascali, Dario (2013). "Multidetector CT investigation of the mummy of Rosalia Lombardo (19181920)". Annals of Anatomy. 195 (5):
401408. doi:10.1016/j.aanat.2013.03.009. PMID23725823. Kandell, Jonathan (June 14, 2007). "Kurt Waldheim dies at 88; ex-UN chief hid Nazi past". The New York Times. Retrieved October 18, 2022. Mansour Khalid (October 12, 2012). War & Peace In The Sudan. Routledge. p.65. ISBN 978-1-136-17924-2. "William Hope Hodgson".
 www.fantasticfiction.com. "Person: Merinen, Juho Rikard". War Victims of Finland 19141922. Helsinki, Finland: National Archives of Finland. Retrieved December 27, 2023. "Ferson: Hjulgrn, Edla Sofia". War Victims of Finland 19141922. Helsinki, Finland: National Archives of Finland. Retrieved December 27, 2023. "Kansanedustajat: Wilho Laine" (in
  Finnish). Helsinki, Finland: Parliament of Finland. Archived from the original on October 16, 2014. Retrieved December 27, 2023. "Admirals.org.uk. Retrieved December 23, 2014." [On the life and work of Korbinian Brodmann (18681918)].
Archived from the original on June 30, 2019. "Person: Lonkainen, Matti". War Victims of Finland: National Archives of Finland: National Geographic News. October 6, 2015. Archived from the original on August 8, 2020. Retrieved
January 19, 2021. Chandra, Siddharth, Julia Christensen, and Shimon Likhtman. "Connectivity and seasonality: the 1918 influenza and COVID-19 pandemics in global perspective." Journal of Global History 15.3 (2020): 408420. Phillips, Howard. "17,18,19: religion and science in three pandemics, 1817, 1918, and 2019." Journal of Global History 15.3
 (2020): 434443.Williams, John. The Other Battleground The Home Fronts: Britain, France and Germany 1914-1918 (1972) pp 24392.New International Year Book 1919). The American Year Book: A Record of Events and Progress... T. Nelson &
Sons.Retrieved from "3SuMoTuWeThFrSa01020304050607080910111213141516171819202122324252627282930312025May 4 in recent years2025 (Sunday)2018 (Friday)2018 (Friday)2016 (Wednesday)2020 (Monday)2020 (Monday)2021 (Tuesday)2020 (Monday)2021 (Tuesday)2021 (Tues
year (125th in leap years) in the Gregorian calendar; 241 days remain until the end of the year.1256 The Augustinian monastic order is constituted at the Lecceto Monastery when Pope Alexander IV issues a papal bull Licet ecclesiae catholicae.[1]1415 Religious reformer John Wycliffe is condemned as a heretic at the Council of Constance.[2]1436
 Assassination of the Swedish rebel (later national hero) Engelbrekt Engelbrekt Engelbrektson (27 April O.S.).[3]1471 Wars of the Roses: The Battle of Tewkesbury: Edward IV defeats a Lancastrian Army and kills Edward of Westminster, Prince of Wales.[4]1493 In the papal bull Inter caetera, Pope Alexander VI divides the New World between Spain and
Portugal along the Line of Demarcation.[5]1626 Dutch explorer Peter Minuit arrives in New Netherland (present day Manhattan Island) aboard the See Meeuw.[6]1738 The Imperial Theatrical School, the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia, is founded.[7]1776 Rhode Island becomes the first ballet school in Russia and the first balle
Fourth Anglo-Mysore War: The Battle of Seringapatam: The siege of Seringapa
 Spanish Constitution of 1812, returning Spain to absolutism.[11]1836 Formation of Ancient Order of Hibernians.[12]1859 The Cornwall Railway opens across the Royal Albert Bridge linking Devon and Cornwall in England.[13]1869 The four-day Naval Battle of Hakodate begins. The newly formed Imperial Japanese Navy defeats the remnants of the
Tokugawa shogunate navy in the Sea of Japan off the city of Hakodate, leading to the surrender of the Ezo Republic on May 17.[14]1871 The National Association, the first professional baseball league, opens its first season in Fort Wayne, Indiana.[15]1886 Haymarket affair: In Chicago, United States, a homemade bomb is thrown at police officers
trying to break up a labor rally, killing one officer. Ensuing gunfire leads to the deaths of a further seven officers and four civilians. [16]1904 The United States begins construction of the Panama Canal. 1910 The Royal Canadian Navy is created. [17]1912 Italy occupies the Ottoman island of Rhodes. 1919 May Fourth Movement: Student demonstrations
take place in Tiananmen Square in Beijing, China, protesting the Treaty of Versailles, which transferred Chinese territory to Japan. 1926 The United Kingdom general strike begins. 1927 The Academy of Motion Picture Arts and Sciences is incorporated. [18] 1932 Having been incarcerated at the Cook County Jail since his sentencing on October 24,
1931, mobster Al Capone is transferred to the federal penitentiary in Atlanta after the U.S. Supreme Court denies his appeal for conviction of tax evasion. [19]1942 World War II: The Battle of the Coral Sea begins with an attack by aircraft from the United States aircraft carrier USSY or known on Japanese naval forces at Tulagi Island in the Solomon
 Islands. The Japanese forces had invaded Tulagi the day before 1945 World War II: Neuengamme concentration camp near Hamburg is liberated by the British Army. 1945 World War II: The German surrender at Lneburg Heath is signed, coming into effect the following day. It encompasses all Wehrmacht units in the Netherlands, Denmark and
northwest Germany.1946 In San Francisco Bay, U.S. Marines from the nearby Treasure Island Naval Base stop a two-day riot at Alcatraz Federal Penitentiary. Five people are killed in the riot.1949 The entire Torino football team (except for two players who did not take the trip: Sauro Tom, due to an injury and Renato Gandolfi, because of coach
request) is killed in a plane crash.1953 Ernest Hemingway wins the Pulitzer Prize for The Old Man and the Sea.1959 The 1st Annual Grammy Awards are held.1961 American civil rights movement: The "Freedom Riders" begin a bus trip through the South.1961 Malcolm Ross and Victor Prather attain a new altitude record for manned balloon flight
ascending in the Strato-Lab V open gondola to 113,740 feet (34.67km). 1970 Vietnam War: Kent State shootings: The Ohio National Guard, sent to Kent State University after disturbances in the city of Kent the weekend before, opens fire killing four unarmed students and wounding nine others. The students were protesting the Cambodian Campaign
of the United States and South Vietnam.1972 The Don't Make A Wave Committee, a fledgling environmental organization founded in Canada in 1971, officially changes its name to "Greenpeace Foundation".1973 The 108-story Sears Tower in Chicago is topped out at 1,451 feet (442m) as the world's tallest building.[20]1978 The South African Defence
Force attacks a SWAPO base at Cassinga in southern Angola, killing about 600 people. [21]1979 Margaret Thatcher becomes the first female Prime Minister of the United Kingdom. 1982 Twenty sailors are killed when the British Type 42 destroyer HMSSheffield is hit by an Argentinian Exocet missile during the Falklands War. 1988 The PEPCON
disaster rocks Henderson, Nevada, as tons of Space Shuttle fuel detonate during a fire. 1989 IranContra affair: Former White House aide Oliver North is convicted of three crimes and acquitted of nine other charges; the convictions are later overturned on appeal. 1989 Space Shuttle Atlantis launches on mission STS-30 to deploy the Venus-bound
Magellan space probe. [22] 1990 Latvia declares independence from the Soviet Union. 1994 Israeli Prime Minister Yitzhak Rabin and PLO leader Yasser Arafat sign a peace accord, granting self-rule in the Gaza Strip and Jericho. 1998 A federal judge in Sacramento, California, gives "Unabomber" Theodore Kaczynski four life sentences plus 30 years
after Kaczynski accepts a plea agreement sparing him from the death penalty. 2000 Ken Livingstone becomes the first Mayor of London). 2002 One hundred three people are killed and 51 are injured in a plane crash near Mallam Aminu Kano International Airport in Kano, Nigeria. [23] 2007
Greensburg, Kansas is almost completely destroyed by the 2007 Greensburg tornado, a 1.7-mile wide EF5 tornado. It was the first-ever tornado to be rated as such with the new Enhanced Fujita scale. 2014 Three people are killed and 62 injured in a pair of bombings on buses in Nairobi, Kenya. [24] 2019 The inaugural all-female motorsport series, W
Series, takes place at Hockenheimring. The race was won by Jamie Chadwick, who would go on to become the inaugural season's champion. [25]2023 Nine people are killed and thirteen injured in a spree shooting in Mladenovac and Smederevo, Serbia. It is the second mass shooting in the country in two days. [26][27][28]1006 Khwaja Abdullah Ansari,
Persian mystic and poet (died 1088)1559 Alice Spencer, English noblewoman (died 1637)1655 Bartolomeo Cristofori, Italian instrument maker, invented the piano (died 1731)1677 Francise-Marie de Bourbon, French noblewoman (died 1731)1655 Bartolomeo Cristofori, Italian instrument maker, invented the piano (died 1731)1677 Francise-Marie de Bourbon, French noblewoman (died 1731)1655 Bartolomeo Cristofori, Italian instrument maker, invented the piano (died 1731)1677 Francise-Marie de Bourbon, French noblewoman (died 1731)1655 Bartolomeo Cristofori, Italian instrument maker, invented the piano (died 1731)1677 Francise-Marie de Bourbon, French noblewoman (died 1731)1655 Bartolomeo Cristofori, Italian instrument maker, invented the piano (died 1731)1677 Francise-Marie de Bourbon, French noblewoman (died 1731)1655 Bartolomeo Cristofori, Italian instrument maker, invented the piano (died 1731)1677 Francise-Marie de Bourbon, French noblewoman (died 1731)1655 Bartolomeo Cristofori, Italian instrument maker, invented the piano (died 1731)1677 Francise-Marie de Bourbon, French noblewoman (died 1731)1677 Francise-Marie de Bourbon, Francise-Marie de Bourb
1749)1715 Richard Graves, English minister and author (died 1804)1733 Jean-Charles de Borda, French mathematician, physicist, and sailor (died 1825)1757 Manuel Tols, Spanish sculptor and first director of the Academy of San Carlos in Mexico City
(died 1816)1767 Tyagaraja, Indian composer (died 1823)1796 Horace Mann, American educator and politician, 13th Governor of New Jersey, 23rd Speaker of the United
States House of Representatives (died 1862)1796 William H. Prescott, American historian and scholar (died 1859)1820 Julia Gardiner Tyler, American soldier, judge, and politician, 1st Governor of Oregon (died 1902)1822 Charles Boucher de
Boucherville, Canadian physician and politician, 3rd Premier of Quebec (died 1915)1825 Thomas Henry Huxley, English biologist, anatomist, and academic (died 1908)1826 Frederic Edwin Church, American painter (died 1900)1827 John Hanning Speke,
English soldier and explorer (died 1864)1843 Bianka Blume, German opera singer (died 1896)[29]1851 Thomas Dewing, American painter (died 1934)1883 Wang Jingwei, Chinese politician (died 1944)1884 Richard Baggallay, English army officer and cricketer (died 1975)[30]1887 Andrew Dasburg,
French-American painter (died 1979)1889 Francis Spellman, American cardinal (died 1967)[31]1890 Franklin Carmichael, Canadian painter (died 1984)1905 Al Dexter, American country singer-songwriter and guitarist (died 1984)1907
Lincoln Kirstein, American soldier and playwright, co-founded the New York City Ballet (died 1971)1916 Jane Jacobs, American-Canadian
journalist, author, and activist (died 2006)1916 Richard Proenneke, American soldier, carpenter, and meteorologist (died 2003)1917 Nick Joaquin, Filipino writer, journalist and historian (died 2004)1918 Kakuei Tanaka, Japanese soldier and politician, 64th Prime Minister of Japan (died 1993)1921 Edo Murti, Croatian painter, sculptor, and illustrator
 (died 2005)1922 Eugenie Clark, American biologist and academic (died 2015)1923 Eric Sykes, British actor and comedian (died 2012)1925 Maurice R. Greenberg, American biologist and academic (died 2015)1923 Eric Sykes, British actor and comedian (died 2012)1925 Maurice R. Greenberg, American biologist and academic (died 2015)1923 Eric Sykes, British actor and comedian (died 2012)1925 Maurice R. Greenberg, American biologist and academic (died 2015)1923 Eric Sykes, British actor and comedian (died 2012)1925 Maurice R. Greenberg, American biologist and academic (died 2016)1928 Hosni Mubarak, Egyptian air marshal and politician, 4th
President of Egypt (died 2020)1928 Betsy Rawls, American golfer (died 2023)1929 Manuel Contreras, Chilean general (died 2013)1937 Ron Carter,
American bassist and educator 1937 Dick Dale, American surf-rock guitarist, singer, and songwriter (died 2019) 1938 Carlos Monsivis, Mexican journalist and author (died 2018) 1940 Robin Cook, American physician and author 1941 George Will, American journalist and author 1943 Georgi
Asparuhov, Bulgarian footballer (died 1971)1944 Russi Taylor, American voice actress (died 2019)1945 Robert Machray, American political activist1946 John Watson, British race car driver1948 King George Tupou V of Tonga, (died 2012)1951 Colin Bass,
English bass player, songwriter, and producer1951 Colleen Hanabusa, American lawyer and politician1951 Jackie Jackson, American singer-songwriter and dancer[34]1952 Belinda Green, Australian beauty queen and 1972 Miss World1953 Pia Zadora, American actress and singer-songwriter and dancer[34]1952 Belinda Green, Australian beauty queen and 1972 Miss World1953 Pia Zadora, American actress and singer-songwriter and dancer[34]1952 Belinda Green, Australian beauty queen and 1972 Miss World1953 Pia Zadora, American singer-songwriter and dancer[34]1952 Belinda Green, Australian beauty queen and 1972 Miss World1953 Pia Zadora, American singer-songwriter and dancer[34]1952 Belinda Green, Australian beauty queen and 1972 Miss World1953 Pia Zadora, American singer-songwriter and beauty queen and 1972 Miss World1953 Pia Zadora, American singer-songwriter and beauty queen and 1972 Miss World1953 Pia Zadora, American singer-songwriter and beauty queen and 1972 Miss World1953 Pia Zadora, American singer-songwriter and beauty queen and 1972 Miss World1953 Pia Zadora, American singer-songwriter and beauty queen and 1972 Miss World1953 Pia Zadora, American singer-songwriter and beauty queen and 1972 Miss World1953 Pia Zadora, American singer-songwriter and beauty queen and 1972 Miss World1953 Pia Zadora, American singer-songwriter and beauty queen and 1972 Miss World1953 Pia Zadora, American singer-songwriter and beauty queen and 1972 Miss World1953 Pia Zadora, American singer-songwriter and beauty queen and 1972 Miss World1953 Pia Zadora, American singer-songwriter and beauty queen and 1972 Miss World1953 Pia Zadora, American singer-songwriter and beauty queen and 1972 Miss World1953 Pia Zadora, American singer-songwriter and beauty queen and 1972 Miss World1953 Pia Zadora, American singer-songwriter and beauty queen and 1972 Miss World1953 Pia Zadora, American singer-songwriter and beauty queen and 1972 Miss World1953 Pia Zadora, American singer-songwriter and beauty queen and 1972 Miss World1953 Pia Zadora, American singer-so
 Ken Oberkfell, American baseball player and coach1957 Kathy Kreiner, Canadian skier1958 Keith Haring, American painter (died 1990)1958 Caroline Spelman, English politician, Secretary of State for Environment, Food and Rural Affairs1959 Randy Travis, American singer-songwriter, guitarist, and actor1960 Werner Faymann, Austrian politician,
28th Chancellor of Austria1961 Jay Aston, English singer-songwriter and dancer1967 Kate Garraway, English journalist1967 Ana Gasteyer, American basketball player1972 Mike Dirnt, American bass player and songwriter1972 Chris Tomlin, American basketball player1970 Dawn Staley, American basketball player1970 Mike Dirnt, American bass player and songwriter1972 Chris Tomlin, American basketball player1970 Dawn Staley, American basketball player1970 Mike Dirnt, American bass player and songwriter1972 Chris Tomlin, American basketball player1970 Dawn Staley, American basketball player1970 Dawn 
singer-songwriter[35]1973 Guillermo Barros Schelotto, Argentinian footballer and coach1974 Tony McCoy, Northern Irish jockey and sportscaster and journalist1978 Igor Biscan, Croatian footballer and coach1974 Tony McCoy, Northern Irish jockey and sportscaster and journalist1978 Igor Biscan, Croatian footballer and coach1974 Tony McCoy, Northern Irish jockey and sportscaster and journalist1978 Igor Biscan, Croatian footballer and coach1974 Tony McCoy, Northern Irish jockey and sportscaster and journalist1978 Igor Biscan, Croatian footballer and coach1974 Tony McCoy, Northern Irish jockey and sportscaster and journalist1978 Igor Biscan, Croatian footballer and coach1974 Tony McCoy, Northern Irish jockey and sportscaster and journalist1978 Igor Biscan, Croatian footballer and coach1974 Tony McCoy, Northern Irish jockey and sportscaster and journalist1978 Igor Biscan, Croatian footballer and coach1974 Tony McCoy, Northern Irish jockey and sportscaster and journalist1978 Igor Biscan, Croatian footballer and coach1974 Tony McCoy, Northern Irish jockey and sportscaster and journalist1978 Igor Biscan, Croatian footballer and coach1974 Tony McCoy, Northern Irish jockey and sportscaster and journalist1978 Igor Biscan, Croatian footballer and coach1974 Igor Biscan, Croatian footballer and Croatian footballer and Croatian footballer
manager1978 James Harrison, American football player[37]1979 Lance Bass, American singer, dancer, and producer1979 Lesley Vainikolo, Tongan rugby player1981 Ruth Negga, Ethiopian-Irish actress[38][39]1981 Dallon Weekes, American singer
songwriter and musician 1983 Derek Roy, Canadian ice hockey player 1984 Brad Maddox, American wrestler and referee 1985 Ravi Bopara, English MC and rapper 1986 Devan Dubnyk, Canadian ice hockey player 1986 George Hill, American basketball player 1987 Cesc
Fbregas, Spanish footballer and manager1987 Jorge Lorenzo, Spanish motorcycle racer1988 Radja Nainggolan, Belgian footballer1989 Rory McIlroy, Northern Irish golfer1989 James van Riemsdyk, American basketball player1994 Abi
 Masatora, Japanese sumo wrestler1994 Joseph Tapine, New Zealand rugby league player1998 Alexander O'Connor, English musician 40 June 1998 Alexande
1331)1436 Engelbrekt Engelbrektsson, Swedish rebel leader (27 April O.S.).[41]1471 Edward of Westminster, Prince of Wales, son and heir of Henry VI of England (born 1453)1483 George Neville, Duke of Urbino (born 1492)
[42]1535 John Houghton, Carthusian monk and saint1562 Lelio Sozzini, Italian Protestant theologian (born 1525)1566 Luca Ghini, Italian physician and botanist (born 1511)1604 Claudio Merulo, Italian physician and botanist (born 1533)1605 Ulisse Aldrovandi, Italian naturalist (born 1511)1604 Claudio Merulo, Italian physician and botanist (born 1525)1566 Luca Ghini, Italian physician and reformer (born 1511)1604 Claudio Merulo, Italian physician and botanist (born 1525)1566 Luca Ghini, Italian physician and botanist (born 1525)1566 Luca Ghini, Italian physician and reformer (born 1525)1566 Luca Ghini, Italian physician and botanist (born 1525)1566 Luca Ghini, Italian physician and reformer (born 1525)1566 Luca Ghini, Italian physician and reformer (born 1525)1566 Luca Ghini, Italian physician and botanist (born 1525)1566 Luca Ghini, Italian physician and bo
1522)1615 Adriaan van Roomen, Flemish priest and mathematician (born 1561)1626 Arthur Lake, English bishop and scholar (born 1630)1684 John Nevison, English criminal (born 1639)1729 Louis Antoine de Noailles, French cardinal (born 1651)1734 James Thornhill, English
painter and politician (born 1675)1737 Eustace Budgell, English journalist and politician (born 1714)1776 Jacques Saly, French painter and sculptor (born 1717)1790 Matthew Tilghman, American politician (born 1718)1799 Tipu, ruler of Mysore (born 1750)1811 Nikolay Kamensky,
Russian general (born 1776)1816 Samuel Dexter, American lawyer and politician, 4th United States Secretary of War, 3rd United States Secre
Davydov, Russian general and poet (born 1784)1859 Joseph Diaz Gergonne, French mathematician and philosopher (born 1815)1901 John Jones Ross, Canadian lawyer and politician, 7th Premier of Quebec (born 1831)1903 Gotse Delchev, Macedonian Bulgarian
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revolutionary IMRO (born 1872)1912 Nettie Stevens, American geneticist credited with discovering sex chromosomes (born 1891)1916 John Murray, Australian politician, 23rd Premier of Victoria (born 1851)1916 Willie Pearse, Irish rebel (born 1881)1916 Joseph Plunkett, Irish rebel and writer (born 1887)1919 Milan Rastislav tefnik, Slovak general and politician (born 1880)1922 Viktor Kingissepp, Estonian politician (born 1888)1937 Gina Oselio, Norwegian opera singer (born 1858).[45]1938 Kan Jigor Japanese founder of judo (born 1860)1938 Carl von Ossietzky, German journalist and activist, Nobel Prize laureate (born 1880)1945 Fedor von Bock, German field marshal (born 1880)1953 Alexandre Pharamond, French rugby player (born 1876)[46]1955 George Enescu, Romanian pianist, composer, and conductor (born 1881)1964 Karl Robert Pusta, Estonian politician, 4th Estonian Minister of Foreign Affairs (born 1892)1971 William Brown Meloney, writer and theatrical producer (born 1902)[47]1972 Father Chrysanthus, Dutch arachnologist (born 1905) [48]1972 Edward Calvin Kendall, American chemist and academic, Nobel Prize laureate (born 1886)1973 Jane Bowles, American author and playwright (born 1897)1976 Frank Strahan, Australian public servant (born 1886)1980 Josip Broz Tito, Yugoslav field marshal and politician, 1st President of Yugoslavia (born 1892)1980 Joe "Mr Piano" Henderson, Scottish pianist and composer (born 1911)1984 Diana Dors, English actress (born 1931)1985 Fikri Snmez, Turkish tailor and politician (born 1938)1985 Clarence Wiseman, English-Canadian 10th General of The Salvation Army (born 1907)1987 Paul Butterfield, American singer and harmonica player (born 1942)[50]1987 Cathryn Damon, American guitarist (born 1930)1988 Lillian Estelle Fisher, American historian of Spanish America (born 1891)1990 Emily Remler, American guitarist (born 1930)1988 Lillian Estelle Fisher, American historian of Spanish America (born 1891)1990 Emily Remler, American guitarist (born 1930)1988 Lillian Estelle Fisher, American historian of Spanish American formation and the salvation formation of Spanish American formation for formation formation for formation formation for formation formation for formation for formation formation for formation for formation for formation for formation formation for formation fo 1957)1991 Mohammed Abdel Wahab, Egyptian singer-songwriter and mandolin player (born 1902)1992 Gregor Mackenzie, Scottish politician (born 1927)1993 France tiglic, Slovenian film director and screenwriter (born 1902)1992 Gregor Mackenzie, Scottish politician (born 1927)1993 France tiglic, Slovenian film director and screenwriter (born 1902)1992 Gregor Mackenzie, Scottish politician (born 1927)1993 France tiglic, Slovenian film director and screenwriter (born 1902)1992 Gregor Mackenzie, Scottish politician (born 1902)1993 France tiglic, Slovenian film director and screenwriter (born 1902)1993 France tiglic, Slovenian film director and screenwriter (born 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physician and politician, 44th Governor of Indiana (born 1917)2013 Javier Diez Canseco, Peruvian sociologist and politician (born 1963)2013 Otis Bowen, American physician and phys 1948)2013 Mario Machado, Chinese-American journalist and actor (born 1935)2013 Morgan Morgan-Giles, English admiral and politician (born 1922)2014 Dick Ayers, American author and illustrator (born 1924)2014 Elena Baltacha, Ukrainian-Scottish tennis player (born 1983)2014 Edgar Cortright, American scientist and engineer (born 1923)2014 Helga Knigsdorf, German physicist and author (born 1948)2014 Ross Lonsberry, Canadian-American scientist and engineer (born 1948)2015 William Bast, American Prime Minister of the Central African Republic (born 1948)2015 William Bast, American Scientist and engineer (born 1947)2014 Jean-Paul Ngoupand, Central African Prime Minister of the Central African Republic (born 1948)2015 William Bast, American Prime Minister of the Central African Republic (born 1948)2016 William Bast, American Prime Minister of the Central African Republic (born 1948)2016 William Bast, American Prime Minister of the Central African Republic (born 1948)2016 William Bast, American Prime Minister of the Central African Republic (born 1948)2016 William Bast, American Prime Minister of the Central African Republic (born 1948)2016 William Bast, American Prime Minister of the Central African Republic (born 1948)2016 William Bast, American Prime Minister of the Central African Republic (born 1948)2016 William Bast, American Prime Minister of the Central African Republic (born 1948)2016 William Bast, American Prime Minister of the Central African Republic (born 1948)2016 William Bast, American Prime Minister of the Central African Republic (born 1948)2016 William Bast, American Prime Minister of the Central African Republic (born 1948)2016 William Bast, American Republic (born 1948)2016 William Bast, Americ screenwriter and author (born 1931)2015 Ellen Albertini Dow, American actress (born 1913)2015 Marv Hubbard, American football player (born 1930)[55]2020 Greg Zanis, American carpenter and activist (born 1950) [56]2021 Nick Kamen, English model, songwriter (born 1950)[58]2024 Frank Stella, American painter (born 1950 Micha Giedroy English Saints and Martyrs of the Reformation Era (Church of England) F. C. D. Wyneken (Lutheran Church Missouri Synod) Florian Jos Mara Rubio Judas Cyriacus Monica of Hippo (1960 Roman Catholic Calendar) Sacerdos of Limoges Venerius of Milan May 4 (Eastern Orthodox liturgics) Coal Miners Day (India) [60] Death of Milan Rastislav tefnik Day (Slovakia) Greenery Day (Japan) International Firefighters' Day May Fourth Movement commemorations: Literary Day (Republic of China) Remembrance Day (Latvia) Star Wars Day (International Firefighters' Day May Fourth Movement commemorations: Literary Day (Republic of China) Remembrance Day (Latvia) Star Wars Day (International Firefighters' Day May Fourth Movement commemorations: Literary Day (Republic of China) Remembrance Day (Latvia) Star Wars Day (International Firefighters' Day May Fourth Movement Commemorations: Literary Day (Republic of China) Remembrance Day (Latvia) Star Wars Day (International Firefighters' Day May Fourth Movement Commemorations: Literary Day (Republic of China) Remembrance Day (Latvia) Star Wars Day (International Firefighters' Day May Fourth Movement Commemorations) Remembrance Day (Latvia) Star Wars Day (International Firefighters' Day May Fourth Movement Commemorations) Remembrance Day (International Firefighters' Day May Fourth Movement Commemorations) Remembrance Day (International Firefighters' Day May Fourth Movement Commemorations) Remembrance Day (International Firefighters' Day May Fourth Movement Commemorations) Remembrance Day (International Firefighters' Day May Fourth Movement Commemorations) Remembrance Day (International Firefighters' Day May Fourth Movement Commemoration Firefighter Firefighters' Day May Fourth Movement Commemoration Firefighter observance) World Give DayYouth Day (Fiji) Flannery, John M. (2013). The Mission of the Portuguese Augustinians to Persia and Beyond (1602-1747). Lieden: Brill. p.40. ISBN 9789004243828. Bray, Gerald (2018). "On the Truth of Holy Scripture (1377-1378) John Wycliffe (c. 1328-1384)". In Kapic, Kelly M.; Madueme, Hans (eds.). Reading Christian Theology in the Protestant Tradition. London: Bloomsbury T&T Clark. p.290. ISBN 9780567566768; Christianson, Gerald (2012). "Wycliff's Ghost: The Politics of Reunion at the Council of Basel". Reform, Representation and Theology in Nicholas of Cusa and His Age. New York: Taylor & Francis. p.91. ISBN 9781003420835; Fastiggi, Robert I (2017). The Sacrament of Reconciliation: An Anthropological and Scriptural Understanding. Chicago: Hillenbrand Books. p.96, fn. 17. ISBN 9781595250438.^ Riis, Thomas (2015). "The States of Scandinavia, c. 1390-c. 1536". In Allmand, Christopher (ed.). The New Cambridge Medieval History. Volume VII: c.1415-c. 1500. Cambridge, UK: Cambridge University Press. p.682. ISBN 9781107568914; Harrison, Dick (1997). "Murder and Execution within the Political Sphere in Fifteenth-century Scandinavia". Scarecrow Press. pp.159, 167. ISBN 9780810857797.^ Hbi, Mamadou (2018). "The Acquisition of Original Titles of Territorial Sovereignty in the Law and Practice of European Colonial Expansion". In Kohen, Marcelo G.; Hbi, Mamadou (eds.). Research Handbook on Territorial Disputes in International Law. Cheltenham, UK: Edward Elgar Publishing. pp.4850. ISBN 9781782546863. Kroessler, Jeffrey A. (2002). New York Year By Year: A Chronology of the Great Metropolis. New York: New York University Press. p.9. ISBN9780814747513. Snodgrass, Mary Ellen (2015). The Encyclopedia of World Ballet. Lanham, Md.: Rowman & Littlefield. p.175. ISBN9781442245259. Lanham, Md.: Rowman & Littlefield. p.175. ISBN9781442245259. R.I: Rhode Island Citizens Historical Association. p.30. OCLC1599182.^ Rosenberg, Chaim M. (2017). Losing America, Conquering India: Lord Cornwallis and the Remaking of the British Empire. Jefferson, N.C.: McFarland & Company. p.130. ISBN 9781476668123.^ Maclachlan, Archibald Neil Campbell (1869). Napoleon at Fontainebleau and Elba: Being a Journal of Occurrences in 1814-1815. London: J. Murray. pp.214216. OCLC2580699. Piqueras, Jos Antonio (2020). "The End of the Legal Slave Trade in Cuba and the Second Slavery". In Tomich, Dale W. (ed.). Atlantic Transformations: Empire, Politics, and Slavery During the Nineteenth Century. Albany, N.Y.: State University of New York Press. p.83. ISBN9781438477855.^ Watson, William E.; Halus, Eugene J. (2015). Irish Americans: The History and Culture of a People. Santa Barbara, Calif.: ABC-CLIO. p.171. ISBN9781610694667.^ Campbell, J.M. (November 1958). "Some New Brunel Letters". The Journal of Transport History (4): 201. doi:10.1177/002252665800300403.^ Tucker Spencer C. (2017). The Roots and Consequences of Civil Wars and Revolutions: Conflicts That Changed World History. Santa Barbara, Calif.: ABC=CLIO. pp.269270. ISBN 9781440842931. Thorn, John (2012). Baseball in the Garden of Eden: The Secret History of the Early Game. New York: Simon & Schuster. p.151. ISBN 9780743294041. Green, James R. (2006). Death in the Haymarket: A Story of Chicago, the First Labor Movement, and the Bombing That Divided Gilded Age America. New York: Pantheon Books. pp.58. ISBN 9780375422379. "Naval Service Act | The Canadian Encyclopedia". www.thecanadianencyclopedia.ca. Retrieved 4 May 2022. Robert Osborne (1989). 60 Years of The Oscar. Abbeville Press. p.8.^ "Capone in Jail; Prison Next". Chicago Tribune. October 25, 1931. pp.12; Manly, Chesly (May 4, 1932). "Capone Speeds to Atlanta". Chicago Tribune. pp.12.^ Norris McWhirter; Ross McWhirter; Ross McWhirter; Ross McWhirter; Ross McWhirter (1994). The Guinness Book of Records. Guinness Superlatives. p.98. ISBN 9780851125121.^ "Cassinga Day 2021, 2022 and 1994). The Guinness Book of Records. Guinness Superlatives. p.98. ISBN 9780851125121.^ "Cassinga Day 2021, 2022 and 1994). The Guinness Book of Records. Guinness Superlatives. p.98. ISBN 9780851125121.^ "Cassinga Day 2021, 2022 and 1994). The Guinness Book of Records. Guinness Superlatives. p.98. ISBN 9780851125121.^ "Cassinga Day 2021, 2022 and 1994). The Guinness Superlatives. p.98. ISBN 9780851125121.^ "Cassinga Day 2021, 2022 and 1994). The Guinness Superlatives. p.98. ISBN 9780851125121.^ "Cassinga Day 2021, 2022 and 1994). The Guinness Superlatives. p.98. ISBN 9780851125121.^ "Cassinga Day 2021, 2022 and 1994). The Guinness Superlatives. p.98. ISBN 9780851125121.^ "Cassinga Day 2021, 2022 and 1994). The Guinness Superlatives. p.98. ISBN 9780851125121.^ "Cassinga Day 2021, 2022 and 1994). The Guinness Superlatives. p.98. ISBN 9780851125121.^ "Cassinga Day 2021, 2022 and 1994). The Guinness Superlatives. p.98. ISBN 9780851125121.^ "Cassinga Day 2021, 2022 and 1994). The Guinness Superlatives. p.98. ISBN 9780851125121.^ "Cassinga Day 2021, 2022 and 1994). The Guinness Superlatives. p.98. ISBN 9780851125121.^ "Cassinga Day 2021, 2022 and 2021, 2022 2023 in Namibia". PublicHolidays.africa. Retrieved January 18, 2021. Tegler, Robert D.; Floyd V., Bennett (September 2011). "Space Shuttle Missions Summary" (PDF). Scientific and Technical Information (STI) Program Office. NASA. pp.232. Archived from the original (PDF) on May 12, 2020. This article incorporates text from this source, which is in the public domain.^ Ranter, Harro. "ASN Aircraft accident BAC One-Eleven 525FT 5N-ESF Kano-Aminu Kano International Airport (KAN)". aviation-safety.net. Aviation Safety Network. Retrieved 2022-05-03.^ Nairobi, Associated Press in (2014-05-04). "Bus bombing in Nairobi leaves at least three dead". The Guardian. Retrieved 2021-05-22.^ "Hockenheim W Series: Jamie Chadwick wins inaugural race". www.autosport.com. 4 May 2019. Retrieved 2021-06-26. Marjanovic, Uros; Paunovic, Jelena; Bilic, Nikola (5 May 2023). "10 rtava pomahnitalog Uroa, upucao 25: Jauci paraju nebo nad dva sela kod Mladenovca" [10 victims of crazed Uro, shot 25: Screams tear the sky over two villages near Mladenovac]. Telegraf (in Serbian). Retrieved 4 May 2023. Bubalo, Mattea; Gozzi, Laura (5 May 2023. Bubalo, Mattea; Gozzi, Laura (5 May 2023. Kutsch, Gordana (2023-06-23). "Preminuo jedan od povreenih u masovnoj pucnjavi u Malom Oraju". N1 (in Serbian). Retrieved 2023-06-23. Kutsch, Karl-Josef; Riemens, Leo; Rost, Hansjrg (22 February 2012). Groes Sngerlexikon Volume 4 (in German). De Gruyter. p.456. ISBN 9783598440885. "Obituaries in 1975". ESPNCricinfo. Wisden. 19 December 2005. Retrieved 4 May 2021. Fogarty, Gerald P. (2000). Spellman, Francis Joseph (1889-1967), Roman Catholic prelate. doi:10.1093/anb/9780198606697.article.0801438. ISBN978-0-19-860669-7. Retrieved May 4, 2021. {{cite book}}: |website= ignored (help)^ "Robert Machray Ward". Neptune Society. Retrieved January 13, 2025.^ Barnes, Mike (January 14, 2025). "Robert Machray, Veteran Stage Actor and Fire Marshal Dobbins on 'Cheers,' Dies at 79". The Hollywood Reporter. Retrieved January 14, 2025. Brackett, David (2001). "Jackson Five". Grove Music Online (8thed.). Oxford University Press. doi:10.1093/gmo/9781561592630.article.46615. ISBN 978-1-56159-263-0. Hollabaugh, Lorie (27 August 2018). "Chris Tomlin To Headline Hollywood Bowl In May". MusicRow. Retrieved 27 April 2023. Cho, Diane J. "Notable Figures & Moments in AAPI History to Celebrate This Week, May 1 to 10". people.com. People. Retrieved 6 May 2024. ^ "James Harrison". ESPN. Retrieved 27 April 2023. ^ Negga, Ruth (2017-05-04). Tonchi, Stefano (ed.). "Ruth Negga Reveals She's Embarrassed By Her Birthday And Doesn't Know Why". W (Video interview). Interviewed by Lynn Hirschberg. Cond Nast (publ.). ISSN0162-9115. OCLC1781845. Retrieved 2024-01-14. Lynn: 'What month were you born?' Ruth: 'May...May 4th.' Lewis, Tim (2017-01-29). Viner, Katharine (ed.). "Ruth Negga: 'There are films that really mark you. Loving is one of those for me.'". The Guardian. eISSN1756-3224. ISSN0261-3077 OCLC60623878. Retrieved 2024-01-13. ...a huge deal for a little-known, 35-year-old Ethiopian-Irish actor. Riis, Thomas (2015). "The States of Scandinavia, c. 1390-c. 1536". In Allmand, Christopher (ed.). The New Cambridge Medieval History. Volume VII: c.1415-c. 1500. Cambridge, UK: Cambridge University Press. p.682. ISBN9781107568914; Harrison, Dick (1997). "Murder and Execution within the Political Sphere in Fifteenth-century Scandinavia". Scandia. 63 (2): 261.^ "Lorenzo di Piero de' Medici, duca di Urbino | Italian ruler". Encyclopedia Britannica. Retrieved 18 January 2021.^ Vicente de Cadenas y Vicent (1995). Pleitos de hidalguia que se conservan en el Archivo de la Real Chancillera de Valladolid: Maceira-Martinez Ballesteros. Ediciones Hidalguia que se conservan en el Archivo de la Real Chancillera de Valladolid: Maceira-Martinez Ballesteros. Ediciones Hidalguia que se conservan en el Archivo de la Real Chancillera de Valladolid: Maceira-Martinez Ballesteros. Ediciones Hidalguia que se conservan en el Archivo de la Real Chancillera de Valladolid: Maceira-Martinez Ballesteros. Ediciones Hidalguia que se conservan en el Archivo de la Real Chancillera de Valladolid: Maceira-Martinez Ballesteros. Ediciones Hidalguia que se conservan en el Archivo de la Real Chancillera de Valladolid: Maceira-Martinez Ballesteros. Ediciones Hidalguia que se conservan en el Archivo de la Real Chancillera de Valladolid: Maceira-Martinez Ballesteros. Ediciones Hidalguia que se conservan en el Archivo de la Real Chancillera de Valladolid: Maceira-Martinez Ballesteros. Elisabeth (25 November 2024). "Gina Oselio". In Helle, Knut (ed.). Norsk biografisk leksikon (in Norwegian). Oslo: Kunnskapsforlaget. Retrieved 2 April 2025.^ Mallon, Bill (11 July 2015). The 1900 Olympic Games: Results for All Competitors in All Events, with Commentary. McFarland. p.276. ISBN 978-0-7864-8952-7.^ "William Brown Meloney Dead Author and Stage Producer, 69". The New York Times. 1971-05-06. ISSN0362-4331. Retrieved 2021-02-06. V[an] H[elsdingen], P[eter] J. (1973). "Father Chrysanthus O.F.M. Cap.: 1 September 1905 4 May 1972". Bulletin of the British Arachnological Society. 2 (7): 148.^ "Joe "Mr. Piano" Henderson Songs, Albums, Revie..." AllMusic. Retrieved 2025-05-28.^ "Musician's Death Laid to Overdose". Los Angeles Times. June 13, 1987. Retrieved December 27, 2020.^ Porter, David L. (2000). Biographical Dictionary of American Sports: Baseball. Greenwood Publishing Group. p.1709. ISBN 978-0-313-29884-4.^ "David Reimer and John Money Gender Reassignment Controversy: The John/Joan Case The Embryo Project Encyclopedia". embryo.asu.edu.^ "He was buried in a can of Pringles". A Silly Point. 2020-09-06.^ "Marv Hubbard, Three-Time Pro Bowl Fullback for Raiders, Dies at 68". The New York Times. Associated Press. 2015-05-06. ISSN0362-4331. Retrieved 2020-09-06.^ "Dolphins Hall of Fame coach Don Shula dies at 90". ESPN. 5 May 2020. Retrieved 15 October 2021.^ McLaughlin, Eliott C. (May 4, 2020). "Greg Zanis, known the nation over as 'The Cross Man,' dies at 69". CNN. Retrieved 2021-05-06. ISSN0261-3077. Retrieved 2021-05-08.^ "Death Notice of Ronnie (Ron) Kavanagh (Fermoy, Cork) rip.ie". rip.ie. Retrieved 2024-05-05. Mazariegos, Miranda; Veltman, Chloe (May 4, 2024). "Renowned painter and pioneer of minimalism Frank Stella dies at 87". NPR. Retrieved 2020-09-06. Wikimedia Commons has media related to May 4. BBC: On This DayThe New York Times: On This DayHistorical Events on May 4Retrieved from "In this post, youll find 24 dysarthria exercises, strategies, and treatment ideas for your adult speech therapy patients. As always, we added extras to make your life easier, including step-by-step instructions, word lists, reading materials, and free PDFs. Bookmark this page to open during treatment. Or feel free to copy and print the resources in this article. For pre-made handouts and materials, visit our shop! Popular Articles Dysarthria is a motor speech disorder caused by weakness of the speech muscles. Dysarthria is a motor speech muscles. Dysarthria is a motor speech disorder caused by weakness of the speech muscles. Dysarthria is a motor speech muscles. Dysarthria is a motor speech disorder caused by weakness of the speech muscles. Dysarthria is a motor speech muscles is a motor spee ALS, and Parkinsons Disease. When deciding which dysarthria treatments to choose, focus on your patients underlying impairment. To do this, ask yourself: What signs and symptoms am I seeing? Will speech therapy improve their ability to communicate more naturally and intelligibly? If yes, what subsystem is impacting their speech naturalness and intelligibly the most? If no, who should I refer out to? Encourage follow-through at home. And encourage caregivers to use their listener strategies. More on those below. Remember that the ultimate goal of dysarthria therapy is to improve your patients quality of lifewhich you can only identify by listening to their wants and needs. Always start there! When treating dysarthria, keep in mind how an injured brain recovers. Use it or lose it. If the part of the brain that controls a function isnt activated, youll lose function. Use it and improve it. The more you practice a specific brain function, the more that function will improve. Be specific. Brain changes happen in the parts of the brain being activated. Repetition. You need a certain threshold of intensity (e.g., length of exercise, number of sessions) to induce neuroplasticity. But, this is not true for neuromuscular disease (i.e. ALS). Time Matters. Different forms of neuroplasticity happen at different times in the brain injury recovery process. However, treating earlier is usually better. Salience. Meaningful activity maximizes neuroplasticity. Age. Although younger brains have more neuroplasticity, older brains can still change (but at a slower rate). Transference (e.g. loud speech) sometimes transfers to or enhances related skills (swallowing). Interference. Not all neuroplasticity is good! An example is a compensatory behavior that interferes with regaining the desired function. (Kleim, 2008) Read 10 Principles of Neuroplasticity for more on how to use these principles in your speech treatment. Practice the sound groups that your patient is having trouble with while offering helpful cues and feedback. During articulation treatment, give: Phonetic placement cues (how to position the mouth, tongue, lips, or jaw during speech) Biofeedback about positioning (use a mirror, take pictures or video, etc.) Models of correct positioning (use a mirror, take pictures or video, etc.) Models of correct positioning Encouragement! For more articulation exercises and materials, visit our shop. Treat articulation by using a hierarchy of speech sounds: 1. Sounds in Isolation 2. Syllables Puh Paw Pee Poo Buh Bee Boo Bow Muh Me Mow My 3. Words Page Peace Peer Puck Peek Bake Beak Bed Bash Beef Meat Maze Move More Met 4. Longer words Parking Painful Polite Peaceful Package Birthday Bottle Baggage Breathy Boyish Marvel Master Molar Minimal Multitude 5. Minimal pairs is the word The word is ____ Two bananas Credit Card Rest Area Good Luck Local bank The end Left turn only How are you? Aphasia Readers offers free PDF practice phrases, organized by theme (holidays, pets, etc.) 7. Sentences for Dysarthria Treatment Good to see you! I hope to arrive early. Take one pill with water. The best bookseller for board books is in Boston. Pass the pepper to my plate. Must we move to Montana on Monday? 8. Conversations for Dysarthria Treatment What is your favorite season and why? What would you do if you inherited a million dollars? What are your favorite sporting events and why? What would you do if you were 25 again? Coffee or tea? Why? 9. Fun Bonus! Tongue Twisters Peter Piper picked a peck of pickled peppers She sells seashells by the seashore Which wristwatches are Swiss wristwatches? Seventy-seven benevolent elephants Betty bought some butter, but the butter was bitter, so Betty bought some better butter to make the bitter butter butter better How much wood would a woodchuck chuck if a woodchuck if a woodchuck chuck if a woodchuck if a wood rate. This can help their speech become more intelligible. How to use a pacing board: Place the pacing board in front of the patient. For moderate or severe dysarthria, have the patient practice reading short phrases or sentences, pointing to one dot per syllable on the pacing board. Increase the challenge to longer sentences, paragraphs, etc. As they get used to self-pacing, have the patient point to one dot per syllable during simple conversation. For milder dysarthria, start pointing to one dot per syllable at the sentence level and while holding a conversation (small talk, etc.) Increase to self-paced reading and conversation, as appropriate. Download our free pacing board. Non-speech oral motor exercises are widely used by speech-language pathology professionals to improve articulation. Examples include lip and tongue strengthening and range of motion exercises improve articulation (Lass & Pannbacker, 2008; Mackenzie et al, 2014; McCauley et al, 2009). ASHAs Practice Portal does recommend using a shaping technique (phonetic derivation) as a treatment option. For example, shaping blowing into /u/. While this technique uses non-speech elements to improve articulation, its goal is to produce specific target sounds. This is different from oral motor exercises, which aim to strengthen weak muscles and/or improve muscle coordination. If you believe that your patients would benefit from non-speech oral motor exercise, we recommend reading the literature and making your own evidence-based decision. Signal The StartLet your listener know when youre about to start talking. You can lift your hand, make eye contact write it down, etc. Name the TopicSay 2-3 words to set your topic. Keep it SimpleUse easier words and sentence structures. Use GesturesPoint, use hand gestures, shrug, shake your head, use facial expressions, etc. to help make your point. Signal the EndAvoid interruptions by holding up one finger. Signal when youre finished by holding out your palm to the listener. Use a Pen and Paper or Alphabet BoardWrite the first letter of the word youre trying to say on a pad of paper/whiteboard or use an alphabet board. Download our free Differential Diagnosis Chart if you need help telling the difference between dysarthria, aphasia, and apraxia of speech. Teach your patients the following clear speech strategies. Practice these strategies by reading increasingly longer tasks out loud. See the hierarchy of reading tasks below for word lists. TALK BIG Over-articulate TALK LOUDIncrease your volume TALK SHORTTake breaths more often; insert pauses every few words For more intelligibility exercises and materials, visit our shop. Have patients practice the intelligibility tips and clear speech strategies with a hierarchy of reading tasks. Start where your patients are at, then increase the challenge as they improve. 1. Phrases Click for a list of phrases. 2. Sentences Click for a list of sentences. 3. Paragraphs JaToya took her dogs out for a walk. Their normal route was blocked by construction, but the new route she chose was beautiful. They walked over two miles. Washington for being a rainy place. This is not unfounded, as some of its cities have over 140 rainy days per year. Washington rain, however, is usually a drizzle. When measuring the total inches of rain per year, Washington is only the 29th rainiest state. The frequency of rainy days in the western part of the state makes it a green, vibrant place most of the year. Locals know to invest in good waterproof jackets. Osaka, pronounced OH-saw-ka, is the second-largest city in Japan. It is also one of the largest cities in the world, with a population of over 20 million people. Osaka is considered Japans economic center. It is home to electronics giants Panasonic, Sharp, and Sanyo. Osaka is also one of the most expensive even than New York City or Los Angeles. 4. Page-Level Reading To keep treatment functional and patient-centered, its best to use books, magazines, or other materials that your patient is already reading. For free classic books in the public domain, check out Project Gutenberg. Pride and Prejudice by Jane Austen It is a truth universally acknowledged, that a single man in possession of a good fortune, must be in want of a wife. However little known the feelings or views of such a man may be on his first entering a neighbourhood, this truth is so well fixed in the minds of the surrounding families, that he is considered as the rightful property of some one or other of their daughters. My dear Mr. Bennet, said his lady to him one day, have you heard that Netherfield Park is let at last? Mr. Bennet replied that he had not. But it is, returned she; for Mrs. Long has just been here, and she told me all about it. Mr. Bennet made no answer. Do not you want to know who has taken it? cried his wife impatiently. Youwant to tell me, and I have no objection to hearing it. This was invitation enough. Why, my dear, you must know, Mrs. Long says that Netherfield is taken by a young man of large fortune from the north of England; that he came down on Monday in a chaise and four to see the place, and was so much delighted with it that he agreed with Mr. Morris immediately; that he is to take possession before Michaelmas, and some of his servants are to be in the house by the end of next week. What is his name? Bingley. Is he married or single? Oh! single, my dear, to be sure! A single man of large fortune; four or five thousand a year. What a fine thing for our girls! How so? how can it affect them? My dear Mr. Bennet, replied his wife, how can you be so tiresome! You must know that I am thinking of his marrying one of them. Is that his design in settling here? Design! nonsense, how can you talk so! But it is very likely that hemayfall in love with one of them, and therefore you must visit him as soon as he comes. I see no occasion for that. You and the girls may go, or you may send them by themselves, which perhaps will be still better, for as you are as handsome as any of them, Mr. Bingley might like you the best of the party. My dear, you flatter me. I certainly have had my share of beauty, but I do not pretend to be anything extraordinary now. When a woman has five grown-up daughters, she ought to give over thinking of her own beauty. In such cases, a woman has not often much beauty to think of. But, my dear, you must indeed go and see Mr. Bingley when he comes into the neighbourhood. It is more than I engage for, I assure you. But consider your daughters. Only think what an establishment it would be for one of them. Sir William and Lady Lucas are determined to go, merely on that account, for in general, you know, they visit no newcomers. Indeed you must go, for it will be impossible forusto visit him, if you do not. You are over scrupulous, surely I dare say Mr. Bingley will be very glad to see you; and I will send a few lines by you to assure him of my hearty consent to his marrying whichever he chooses of the girls; though I must throw in a good word for my little Lizzy. I desire you will do no such thing. Lizzy is not a bit better than the others; and I am sure she is not half so handsome as Jane nor half so good-humoured as Lydia. But you are always givingherthe preference. They have none of them much to recommend them, replied he; they are all silly and ignorant like other girls; but Lizzy has something more of quickness than her sisters. Signs and symptoms of impaired phonation: Decreased ability to phonate Abnormal pitch and pitch breaks Excessive loudness Abnormal vocal quality Speaking only in short phrases These exercises are for people who cant phonate at all. They aim to build the patients ability to phonate so that they can move on to the more advanced exercises are for people who cant phonate at all. They aim to build the patients ability to phonate at all. with vocal fold weakness or paralysis to an ENT or voice specialist. Patient Instructions: Breath in slowly for 3 seconds Hold your breath for 3 seconds Hold your breath for 3 seconds Release the air slowly for 3 seconds Hold your breath for 3 seco hold them out for as long as you can:hhha, hhhow, shhha, shhhow, shhhow, shhha, shhhow, shhow, Clasp hands together, then squeeze the palms together as hard as possible If seated on a chair, grasp the sides of the seat and pull upward or push downward with abnormal vocal guality and too much loudness. Treat hyperadduction by practicing light articulatory contacts (articulatory contacts (articulators move and touch lightly) and easy phonation (exhale then slowly turn on the voice). Practice these strategies with light sounds: Light Sounds HaHowHoeHeHiWhoHeyHallHoseHotHoleHearHugHam LSVT LOUD, SPEAK OUT!, and Pitch Limiting Voice Treatment are three evidence-based voice treatments for people with Parkinsons Disease. LSVT LOUD increases vocal intensity by focusing on high phonatory effort to think loud and speak loud. SPEAK OUT! emphasizes that patients to speak loud and low to increase vocal intensity by focusing on high phonatory effort to think loud and speak loud. SPEAK OUT! emphasizes that patients speak with intensity by focusing on high phonatory effort to think loud and speak loud. intensity without excessive pitch or hypertension of laryngeal muscles. To learn more about these treatments, read LSVT LOUD vs SPEAK OUT! vs PLVT. For more phonation exercises and materials, visit our shop. Image from emst150.com Respiratory muscle strength training exercises treat respiratory muscle weakness. RMST is recommended for patients with significant respiratory weakness whose speech is unintelligible because they run out of breath. RMST includes both expiratory muscle strength training (IMST) and inspiratory muscle strength training (IMST) an opening and allowing airflow when a certain threshold of effort is reached. Examples are the EMST 150 (pictured above) and the POWERbreathe Medic. Encourage your patient to sit upright to improve breath support for speech. Position yourself, materials, communication partners, etc. in a way that facilitates an upright posture. Patient Instructions Put one hand on your stomach and your other hand on your chest. Feel your stomach muscles and feel them pull in. The hand on your chest should remain still. When you breathe out: Tighten your stomach muscles and feel them pull in. The hand on your chest should remain still. Breathe in, feeling your stomach push out. As you breathe out, say the following sounds and words, remaining aware of your stomach slowly pulling in. Start with voiceless sounds like, ass and shh. Hold each for as long as you can Gradually work up to vowel sounds like, ahh and ooh Work up to single words like, hello and your first name Gradually work up towards longer words, phrases, and sentences Teach the inspiratory checking technique to patients who run out of air when they speak. Take as deep a breath as possible. Hold for a few seconds. Feel how full your lungs and stomach feel. Relax your body as you exhale. Repeat a few times. Inhale 50% of your maximum amount. Let the air out slowly. Repeat a few times. Inhale 50% and speak. Say sentences as soon as you begin exhaling: My name is My birthday is Once the patient has mastered short sentences, move on to longer, functional tasks. Read texts, menus, or book passages aloud. Encourage them to use this technique when speaking in everyday life. Click for step-bystep treatment instructions. Print out reading material then add slash marks between words to denote a new breath group. Where you put the slash marks will depend on each patients skill level. Patient Instructions: Use your breath support strategies (from the above exercises) while saying the following. You may take breaths as needed. Who, what, where, when why, how Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday One, two, three, four, five, six, seven, eight, nine, ten Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune January, February, Wenus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune January, February, Wenus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune January, February, Wenus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune January, February, Wenus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune January, February, Wenus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune January, February, Wenus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune January, February, Wenus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune January, February, Wenus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune January, February, Wenus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune January, February, Wenus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune January, February, Wenus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune January, February, Wenus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune January, February, Wenus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune January, February, Wenus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune January, February, Wenus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune January, February, Wenus, Earth, Mars, Jupiter, Saturn, Uranus, Wenus, Earth, Wenus, Earth respiration exercises and materials, visit our shop. The goal of treating prosody is to help your patients speech sound more natural and intelligible. Patient Instructions: To improve your prosody, emphasize the word by speaking it louder and with a higher pitch than the other words. Exaggerate as much as you can! Try using a sing-song voice, like a school teacher. How are YOU? HowAREyou? HOWare you? Where ISShe? WHERE is she? I dont KNOWI dont knowIDONT knowWhat a FUNNY story! WHAT a fun Pack onour shop. Patient Instructions: Improve your prosody by emphasizing the bolded heteronym in each pair of sentences below. Emphasize how each is pronounced by increasing the loudness and pitch of your voice. Exaggerate as much as possible! The subject was pretty boring. Please dont subject me to math. Lets resume the interview. I need to submit my resume for the job. Please relay my message to your boss. The project was a relay race of tasks. She can be such a rebel when she hears the following listener tips. Use these tips if you have a hard time understanding what a loved one is saying. Give your full attentionListen and watch the entire time the person is speaking Confirm the topicCheck that you and the speaker are both on the same topic Are we still talking about dinner. Were you talking about dinner with your family next week? Encourage writing, drawing, or gesturing Repeat each word fit he speaker is especially hard to understand, repeat each word frustration, have a set number of times the speaker tries to say something before they take a break or use AAC Learn more about frustration, have a set number of times the speaker tries to say something before they take a break or use AAC Learn more about frustration, have a set number of times the speaker tries to say something before they take a break or use AAC Learn more about frustration. the different types of AAC in How To Make An E-Tran Board. Ways to Use an Alphabet Board The patient spells out the code for a message on a code board Tips for Listeners Make sure that the alphabet board is always within the patients reach Give the patient plenty of time to select each letter Confirm each letter Confirm each letter the patients voice in noisy settings, like in a restaurant or a store. It helps others understand them better and also helps patients avoid yelling and fatigue. Personal amplifiers are available for sale at major retailers, including Amazon.com. See the Alphabet Board section above. Here are environment modifications to help your patients be understood more easily: Choose a quiet setting. Turn off the TV and fans, shut the window, etc. Choose an area with good lighting Avoid visual distractions Make sure that the speaker and communication partner are face-to-face and close enough Have a communication partner are Service offers a specially trained communication assistant to mediate phone calls for patients (the Americans with Disabilities Act requires telephone companies to provide the service for free) Read Environmental Modifications for Parkinsons Disease. Patients with velopharyngeal incompetence may be nefit from surgery or a prosthesis to improve the service for free). hypernasal resonance. Speak with their PCP to recommend an ENT, prosthodontist, dentist, plastic surgeon, etc. referral, as appropriate. Learn more about how to treat resonance and hypernasality. Visit our shop for pre-made dysarthria treatment activities, handouts, wordlists, and much more! American Speech-Language-Hearing Association. (n.d.). Dysarthria in adults[Practice portal]. Retrieved Jan, 2024 from Brewer, C. (2021). The Adult Speech Therapy Workbook. Harmony Road Design Communication and Dysarthria, Hypokinetic. Cinahl Informations Systems. Kleim, J.A., Jones, T.A. (2008) Principles of experience-dependent neural plasticity: implications for rehabilitation after brain damage. J Speech Lang Hear Res. 51(1):S225-39 Lass, N.J. & Pannbacker, M. (2008). The application of evidence-based practice to non speech oral motor treatment. Language, Speech, and Hearing Services in Schools, 39, 408-421. Levitt JS. & Walker-Batson, D. (2018). The Effects of The Speak with Intent Instruction for Individuals with Parkinsons disease. Journal of Communications Disorders and Assistive Technology, 1, 1-15. Mackenzie, C., Muir, M., Allen, C., & Jensen, A. (2014). Non-speech pro-motor exercises in post-stroke dysarthria intervention: a randomized feasibility trial. International Journal of Language & Communication Disorders, 49(5), 602-617. McCauley, R.J., Strand, E., Lof, G.L., Schooling, T. & Frymark, T. (2009). Evidence-Based Systematic Review: Effects of Nonspeech Oral Motor Exercises on Speech. American Journal of Speech-Language Pathology, 18, 343-360.

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